skillcrush BY POWERTOFLY

Course Catalogue.

From 15 to 1,500, we help companies, funders, and governments give people the technical, leadership, and career skills to grow.

AI TECHNICAL LEADERSHIP CAREER

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What We're All About

Skillcrush has taught coding and design online without interruption since 2012, which makes us one of the longest-running bootcamps anywhere. In addition to fully online courses, today we run hybrid courses with live teachers and asynchronous support in between, alongside a full catalog of classes for leaders who want to strengthen their workplace and put AI to work in a way that keeps people at the center.

Our Initiatives Empower Diverse Communities

200K+ Students

148 Countries

77% Women

69% Age 41+

62% Household income under $25K

What Sets Us Apart

- We meet students where they're at with all learning styles, including videos that include transcripts and closed captions, in-depth text lessons, hands-on exercises, and both virtual and live support available.
- We provide human-first support across a variety of mediums including email, feedback built into designated milestones, mentorship, text, Zoom live Q&A sessions, and a thriving Slack Community.
- We create a welcoming and supportive environment for diverse individuals in the BIPOC, LGBTQIA+, and disabled communities.
- We augment our skill offerings with career strategy education and 1-on-1 and group coaching with Career Counselors.
- We level-up leaders and those who champion diverse voices in the workplace with the support and complex terminology, structures, and tools they need.

SECTION 01

Career Tracks: End-to-End Paths Into Tech

A Track is the full guided route into a job. Each one bundles the classes below into one sequence, adds a portfolio workshop at the end, and includes the Get Hired Program in Section 04. Full descriptions and projects for every class follow in Section 02.

The AI Developer Track

9 TO 12 MONTHS · 484 HOURS

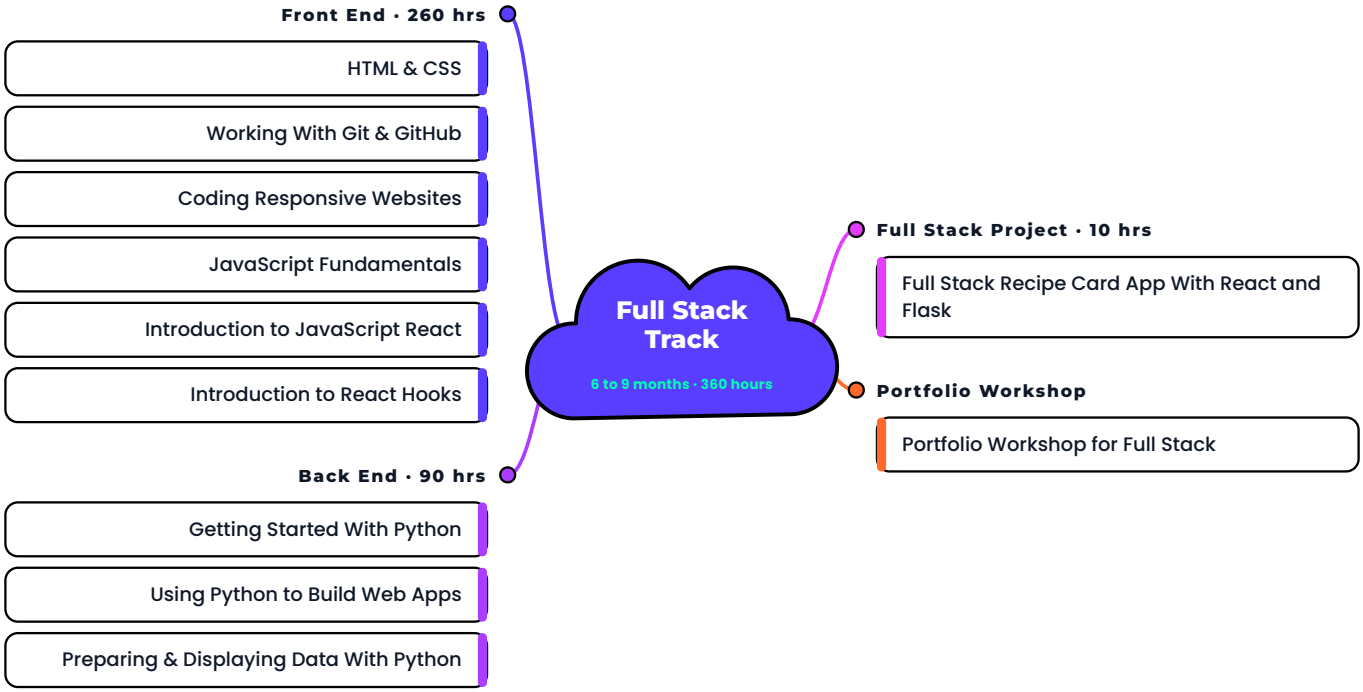
A full path from first line of HTML to shipping AI-powered applications, finishing with a portfolio built for the job you want.



The Full Stack Track

6 TO 9 MONTHS · 360 HOURS

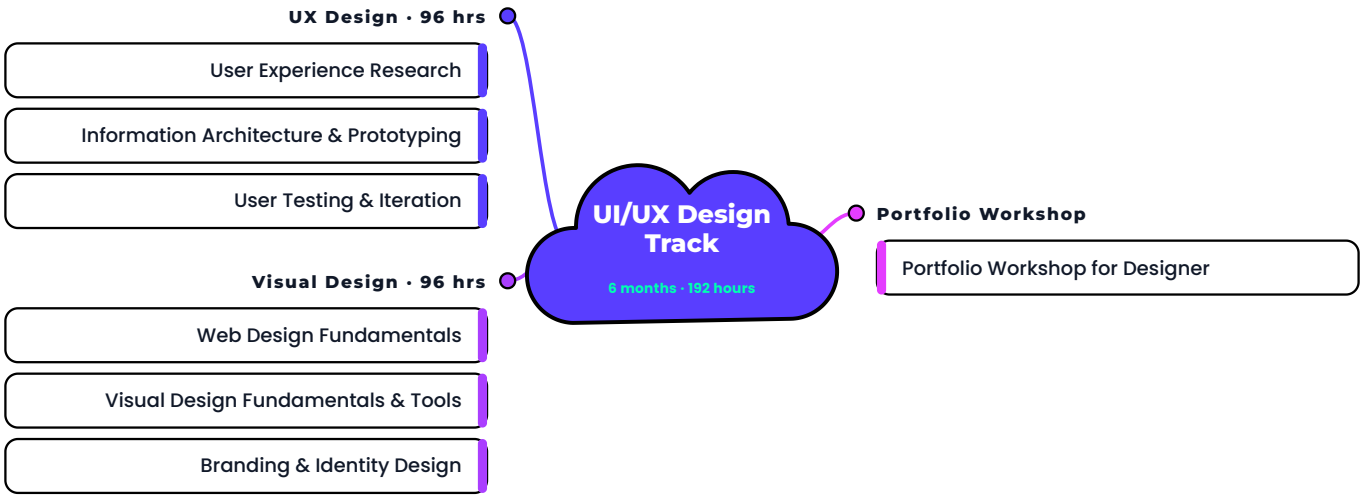
The complete web development path, from front-end foundations through Python on the back end, finishing with a full stack app and a portfolio.



The UI/UX Design Track

6 MONTHS · 192 HOURS

Research and visual craft together, so graduates can take a product from idea to finished interface.



SECTION 02

Our Technical Classes

Create custom curriculum out of our course offerings, combined across any category or skill set.

Front End

260 HOURS

The foundation of everything on screen: structure, style, interaction, and the version-control habits professional developers rely on.

HTML & CSS

Students learn how to structure, code, and launch their very own website from scratch. They also learn how to take advantage of the modern web development tools that come baked into all major web browsers, making writing code and building beautiful websites easier than they ever imagined!

PROJECTS STUDENTS BUILD

- Jubilee Austen Portfolio
- Rogue Pickings Website

BONUS MATERIAL · NOT INCLUDED IN TOTAL COURSE DURATION

Advanced CSS Layouts

In this class, students learn how to use Flexbox to position website content and CSS Grid to structure website layouts. They also use CSS functions and CSS selectors to style and resize elements in their layouts.

Working With Git & GitHub

Students learn how to use the world's most popular version control system, Git, to track all their coding projects. They learn to use Git via the command line and back everything up online using GitHub, and get practice installing Git, creating code repositories, and sharing their code with other developers.

Coding Responsive Websites

Students learn the process for developing responsive web designs, including how to set up their code, set breakpoints for different screen sizes, make responsive typography and images, and code responsive layouts.

PROJECTS STUDENTS BUILD

- Make Rogue Pickings Responsive
- Unplugged Website - Desktop / Tablet / Mobile

JavaScript Fundamentals

Students learn the JavaScript principles they need to get started as developers, including computational thinking, algorithms, objects, loops, arrays, and more.

PROJECTS STUDENTS BUILD

Guess the Word Game | GitHub Repo Gallery

Introduction to JavaScript React

Students take their foundational JavaScript skills to the next level and learn to use JavaScript with React to create elegant, highly interactive websites. They learn how React makes it possible to dynamically build user interfaces using data, with HTML, CSS, and JavaScript, so that a web application can respond to user interaction in real time.

PROJECTS STUDENTS BUILD

Name Tag Project | Hotel Booking App | Sticky Note App | Color Palette Decomposition

Introduction to React Hooks

Hooks are the biggest upgrade to a React skill set! With hooks, students write more concise, clear, and reusable code in their React apps. They build on their existing React knowledge to pick up a fresh approach to coding flexible and powerful components, and learn how to deploy and share their React projects.

Back End

90 HOURS

Python, the language behind most modern AI work, applied to building and powering web applications with real data.

Getting Started With Python

This class introduces students to the world of Python and gives them the confidence to start creating applications like a Personal Assistant App, Drawing App, and Language Translator.

PROJECTS STUDENTS BUILD

Personal Assistant App | Drawing App | Language Translator

Using Python to Build Web Apps

This class covers how to build powerful, meticulously organized web apps that can dynamically render data. Students use these skills to create a Dog Photo Gallery and a Female Supervillain Trading Card App.

PROJECTS STUDENTS BUILD

Female Supervillain Trading Card App | Dog Photo Gallery

Preparing & Displaying Data With Python

In this class, students harness the power of web scraping and use existing public datasets to create stunning data visualizations. There's no need to be a math whiz: the tools do all the heavy lifting.

PROJECTS STUDENTS BUILD

Animal Conservation Web Scraper

BONUS MATERIAL · NOT INCLUDED IN TOTAL COURSE DURATION

Introduction to Ruby

Once students have learned how to build the front end of a site, they learn how to make it function with Ruby, a back-end programming language, and then use Git and GitHub to host their code on the web.

PROJECTS STUDENTS BUILD

Bingo Cards · ChatBot · Gems

Full Stack Project

10 HOURS

One substantial build that joins the front end and the back end into a single working application.

Full Stack Recipe Card App With React and Flask

In this project, students build an interactive web application for storing their favorite recipes (think The NY Times Cooking app). Built using Flask, the Python web framework, and React on the front end, the application allows users to create, update, and delete recipes, as well as search through their collection: all the most fundamental capabilities of any full-fledged, dynamic web application.

Generative AI

120 HOURS

Prompt engineering, the OpenAI API, LangChain, and retrieval augmented generation, each applied to a shipped project.

Introduction to Applied Generative AI With OpenAI

In this introductory class, students learn what artificial intelligence and generative AI are and master all the key terms. They also learn best practices for prompt engineering and how the OpenAI API works, and start building an AI-powered chat.

Building AI-Powered Apps With LangChain

In this class, students learn how to use LangChain, a powerful open-source framework for building generative AI web applications. They put their new AI skills to use by creating a national park tour planner app!

Enhancing Generative AI Web Apps With Domain Specific Content

In this class, students learn how to build contextual, or domain-specific, generative AI web apps using Retrieval Augmented Generation, otherwise known as RAG. They practice these new skills by creating their class project, ChefBoost.

AI Tools

4 HOURS

Short, practical classes on working alongside AI tools as a developer and as a learner.

Intro to AI Tools & Web Development

Students meet the AI tool that's changing web development, build their first website with it, and find out why skilled developers are exactly what makes AI powerful!

PROJECTS STUDENTS BUILD

- Prompt Builder assisted build with parameters to generate a landing page

AI-Powered Learning

Students build the habit of using AI as a thinking partner, not an answer machine, by practicing specific prompts and organizational habits that help them stay in control of their own learning.

Intro to Prompt Writing

Students develop the mindset and practical skills to use Claude as a professional thinking partner, starting with the ability to write precise, well-structured prompts for coding tasks and iterate on AI output with confidence and critical judgment.

Build a Layout With Claude

Students discover how to work effectively with AI tools in their development process by working on a portfolio project!

PROJECTS STUDENTS BUILD

- GitHub Gallery HTML/CSS Shell from a design tile and design comp

User Experience Design

96 HOURS

Research, architecture, and testing: the process designers use to find out what people need before anything is styled.

User Experience Research

Students learn the exact tools and best practices that designers use to discover and then describe what their customers want, and how those wants and needs align with a client's business goals.

PROJECTS STUDENTS BUILD

User Journey Map · User Persona

Information Architecture & Prototyping

First, students learn the tried-and-true building blocks of website organization and design best practices. Then they combine their research and skills with industry tools to create a professional website prototype: a wireframe!

PROJECTS STUDENTS BUILD

Digital Wireframe

User Testing & Iteration

Students learn about user testing and best practices for getting clear and actionable results. Once they set up and run their test, they analyze the data they collect to make decisions, create better versions based on feedback, and learn portfolio tips to help them become successful UX professionals!

PROJECTS STUDENTS BUILD

High-fidelity Prototype

Visual Design

96 HOURS

Visual craft and brand: layout, type, color, identity, and designing screens people want to use.

Web Design Fundamentals

In this class, students learn web design step by step, beginning with how to plan a web design project from start to finish, how to design a user-friendly experience, and how to create a gorgeous web design everyone will love! They also learn how to design mobile-first, responsive websites.

PROJECTS STUDENTS BUILD

One Page Client Website

Visual Design Fundamentals & Tools

Students learn the basic principles of designing for the web, including how to create user personas, Photoshop for web design, color schemes, typescales, wireframes with Figma, and visual hierarchy.

PROJECTS STUDENTS BUILD

Design a Business Card | Make a Branded Portfolio Website

Branding & Identity Design

Students learn how to build and design a company's brand and identity, including how to create audience profiles, mission statements, logos in Adobe Illustrator, and a style guide in Adobe InDesign.

PROJECTS STUDENTS BUILD

Design a Logo | Create an Icon Pair Design | Social Media Header | Design a Style Guide

BONUS MATERIAL · NOT INCLUDED IN TOTAL COURSE DURATION

Visual Design Professional

One of a visual designer's jobs is to translate a company's brand identity into the many different customer touchpoints, including websites and landing pages. In this class, students learn how to build on a company's brand by designing a user-friendly professional sales page, taking it from an initial hand-drawn sketch to a final wireframe.

SECTION 03

PowerUp: Our Classes for Leaders and Storytellers

Short-form courses for leaders, data-oriented storytellers, and all those working towards a more inclusive workplace. Create custom curriculum out of our course offerings, combined across any category or skill set.

Most Popular PowerUp Classes

MOST POPULAR · **30 MINS**

Data Visualization for Presentation and Pitches

Graphs, infographics, and charts play a major role in presentations, but poorly made visuals can work against a presenter. Participants learn what data visualization is and how to use it to support their presentations and pitches.

MOST POPULAR · **1 HOUR**

Data-Driven Storytelling: Visualize and Communicate Feedback

Stories are 22x more memorable than facts alone, and adding data lifts audience engagement by 300%. Across three modules, participants learn to bring their data to life and turn their ideas into engaging narratives.

MOST POPULAR · **1 HOUR**

Inclusive AI Usage: Ethical and Unbiased Machine Learning

AI is unlocking new possibilities, from drafting emails to organizing finances, but it also brings flaws like bias, plagiarism, and discrimination. Participants learn how machine learning works and how to make their AI use as inclusive and unbiased as possible.

All PowerUp Classes, A to Z

Change Management Training: Lead Change at Work

1 HOUR

In today's day and age, change is inevitable. With constantly evolving technology, increasingly interconnected teams, and progressively ambitious organizational goals, it's no wonder that 70% of organizational change initiatives fail. Change catalysts and strategies are key in successful business evolution, but how we respond to change is equally important. That's why change management is such a crucial skill for leaders navigating any sort of change, from goals to processes to technologies. This course covers the importance of change management and gives participants the skills, techniques, and processes to deliver effective change within the workplace.

Compliance Training

This course guides participants through the definitions and examples of fraud, waste, and abuse. Throughout the program, they learn new vocabulary, develop skills to identify and report concerns, and understand the laws that encourage reporting and protect them from retaliation.

Conflict Management and Mediation Skills for Work

1 HOUR

In today's increasingly connected and competitive society, effective communication and harmonious relationships are more important than ever. However, with diverse personalities, goals, and pressures at play, the possibility of some sort of conflict is inevitable. Yet, many of us try to avoid conflict at all costs. The good news is, resolving conflict is a skill that can be developed — and it makes all the difference in turning tense situations into positive outcomes. Conflict management is the practice of identifying and addressing conflicts sensibly, equitably, and efficiently. In this course, participants learn core concepts to effectively identify, manage, and prevent conflict, as well as actionable conflict resolution techniques and frameworks they can apply to real-life scenarios in both personal and professional settings.

Crisis Communication

No matter its industry or location, any organization can find itself involved in a crisis. The question is not if a crisis hits, but when, which is why every organization needs to plan how to communicate internally and externally in the event of a crisis. Crisis communication refers to the technologies, systems, and protocols that enable an organization to effectively communicate during a major threat to its business or reputation. Whether it's a security breach, global disaster, or a reputation attack, organizations need to be prepared to respond swiftly and concisely. In this course, we walk participants through how to develop and carry out a crisis communication plan, along with tips for a successful crisis response.

Data Visualization for Presentation and Pitches

30 MINS

In presentations, visuals play a major role in comprehension and overall impact. Graphs, infographics, and charts are just a few examples of ways to visualize data in a way that's easy to digest. But poorly made visualizations can work against a presenter. In this mini course, participants learn what data visualization is and how to use it to support their presentations and pitches.

Data-Driven Storytelling: Visualize and Communicate Feedback

1 HOUR

Humans have been telling stories since the beginning of existence. We're wired to connect with narratives that we can relate to. In fact, stories are 22x more memorable than facts alone. And when data, facts, and statistics are added to the mix, audience engagement goes up by 300%! Whether seeking leadership buy-in, rallying support for an idea, or strengthening presentation skills, data-driven storytelling is a powerful tool, and this course teaches participants how to do it. Across three modules, they learn how to bring their data to life and craft their ideas into engaging narratives. From the fundamentals of effective visualization to building compelling narratives, participants gain the

skills they need to influence and inform their audience using tried and true data visualization and storytelling techniques.

DEIB Fundamentals

In this course, Zara Chaudary, a DEIB Strategist and Trainer at PowerToFly, walks participants through the high-level concepts that surround diversity, equity, inclusion, and belonging, at work and beyond. Throughout the course, participants learn new vocabulary, tips for measuring DEIB, and best practices for implementing DEIB strategies in their workplace.

DEIB Programming

Companies have been investing more than ever in diversity, equity, and inclusion work. But even with positive changes in policy and demographics, many organizations are still missing the mark when it comes to the impact these efforts have on their employees. That's because DEI efforts should also focus on contributing to employees' sense of belonging. In this course, we discuss how to boost employees' sense of belonging through DEIB programming. From educational chats to global holiday celebrations, participants learn how to develop programming initiatives from the ground up.

Disability in the Workplace

The disabled community is more prevalent than many of us think. Despite making up over 16% of the global population according to the WHO, many organizations fail to make accommodations, or directly assume that their organization does not have people with disabilities. Incorrect assumptions about what disability looks like, lack psychological safety, and nondisclosure add to this phenomenon. In this course, we'll discuss disability, ableism, and how disability fits into DEIB work. From accessibility to accommodations, we'll share some key tips for how organizations – and individuals – can be an ally to the disabled community.

Diverse Candidate Attraction and Engagement

An organization's commitment to building and sustaining DEIB begins with its hiring processes. Inclusive hiring is a critical component of future employees' experiences and of realizing the vision of DEIB in the workplace. In this course, we cover how to create an inclusive diverse candidate attraction and engagement process, with practical tools that can be immediately applied to current hiring practices. Participants should ideally come to this course with a position they are planning to hire for, whether now or in the future.

Emotional Intelligence for Leaders

40 MINS

Emotional intelligence is one of the most sought-after people skills in the workplace — beating out technical and business knowledge. Emotional intelligence (EQ) is the ability to recognize and manage one's own emotions, as well as the emotions of others. Leaders with high EQs are able to stay calm under pressure, resolve conflict effectively, and build stronger relationships. This leads to higher employee engagement, better decision making, and an overall happier workforce. In this course, participants learn how to develop their emotional intelligence and use it to become more effective leaders.

ERG Foundations

Ninety percent of Fortune 500 companies have ERGs. From promoting fair practices to professional development opportunities, these identity-based groups help employees thrive professionally. But their impact doesn't stop there. Organizations on a wider scale also see the benefits of ERGs. Apart from increasing employee sentiments of belonging and professional growth, ERGs inspire conversation, help employees connect across challenges or troubleshooting, and drive innovation. In this course, we share how participants can start one of these groups at their organization. From garnering interest and creating a mission statement to gaining leadership buy-in and recruiting members, we steer them through the entire process so they can set their ERG up for success.

ERG Leadership and Management

Employee Resource Groups (ERGs) are becoming more and more popular in companies. Not only can they increase employee sentiments of belonging, but they also have positive implications for business. In this course, we walk participants through key ERG management and leadership strategies and skills they can implement to make a greater impact on their ERG members, community, and company as a whole, including how to strategically lead and manage an ERG, how to measure ERG ROI and impact, and strategies to advance inclusive leadership between employees and the organization.

Freelancing

Introduction to Freelancing

Participants learn everything they need to know to start working on freelance projects, including how to overcome imposter syndrome, price and market their services, find clients, land a paid project, scope and budget the project, and write and present a winning proposal.

Building a Freelance Business

Participants level up and learn how to build and market a successful freelance business, set up their client workflow, business license, taxes, and accounting, and maintain a healthy pipeline of clients.

Inclusive AI Usage: Ethical and Unbiased Machine Learning

1 HOUR

Machine learning and artificial intelligence (AI) are emerging topics that're getting an unprecedented amount of coverage and usage around the world. From writing formal emails to generating art work to organizing finances, the possibilities these technologies have unlocked are endless. And although the future of AI sounds promising, we're already seeing some of the flaws that come with machine learning, like bias, plagiarism, and discrimination. In this course, we cover how machine learning technology works and how participants can make their AI use as inclusive and unbiased as possible.

Inclusive Communication: Language, Listening, and Actions

1 HOUR

Language is constantly evolving. And with that natural evolution, terminology that was once acceptable may no longer be inclusive. The thing is, it's hard to keep up with all of these changes, and communicating, especially with a large group of people, can feel like walking on eggshells. In this course, we aim to demystify the concept of inclusive communication. From inclusive language to other communication challenges, we guide participants through how to make sure their vocabulary, body language, and listening skills are aligned with inclusive and accessible communication best practices.

Inclusive Interviewing

An organization's commitment to building and sustaining DEIB begins with its hiring processes. Inclusive hiring is a critical component of future employees' experiences and of realizing the vision of DEIB in the workplace. This course engages participants in the full interview experience, helping them recognize systemic and interpersonal biases while working with practical tools that can be immediately applied to current hiring practices. Participants should ideally come to this course with a position they are planning to hire for, whether now or in the future.

Inclusive Language: Terminology & Communication Tips

40 MINS

Language is powerful. The words we use have the potential to hurt or to uplift, to discriminate or to include. Inclusive language is the act of choosing words intentionally to include and convey respect to as many people and identities as possible. But, using inclusive language might not come naturally, even to those of us who value diversity and inclusion. In this mini-course, we aim to demystify the process of adopting inclusive language. From the nuances of language to inclusive terminology, we guide participants through terminology and techniques they can use to talk more inclusively about race, ethnicity, gender, disability, age, religion, and more.

Inclusive Onboarding: Build Effective Employee Experiences

1 HOUR

Building a strong onboarding process is the best way to welcome, and retain, new employees. Effective onboarding is all about planning ahead and thinking from the new employee's point of view. It doesn't begin and end on a new hire's first day. It starts at the beginning of the hiring process and ends when the new employee is fully settled into their role. In this course, we guide participants through building an inclusive onboarding process designed to introduce new hires to the organization's culture and give them everything they need to reach maximum performance in their job as quickly as possible.

Leading in a Remote Environment

This mini-course covers the challenges and opportunities of remote leadership. Remote work brings increased productivity, more flexibility, and greater access to top talent around the world. While the pros of the virtual office are clear, there are some key challenges that come along with it, like communication and collaboration, feelings of isolation, and technical difficulties. It's the job of leaders to overcome these obstacles and build resilient, high-performing remote teams. Participants gain the tools and strategies they need to adapt their leadership style and lead remote teams with confidence.

Mastering the Art of Negotiation

30 MINS

From closing an important deal to accepting a job offer to settling a disagreement, negotiation is a key skill that's important in all aspects of life, especially in the workplace. But in many cases, people feel unprepared and uncomfortable to reach a mutually beneficial agreement. In this course, participants learn how to prepare for and engage in negotiations to achieve the best results for themselves and others. We explore the core principles of negotiation, dive into the science of persuasion, and practice cross-cultural negotiation techniques, all from a lens of inclusion. From crafting successful strategies to refining communication skills, this course prepares participants for any negotiation scenario with clarity, confidence, and finesse.

Measuring DEIB

An HR.com study found that only 25% of organizations surveyed measure DEIB to a high degree. Organizations might have difficulty collecting data, choosing which metrics to follow, and most importantly, extracting meaning from these numbers. Companies that take steps towards effective DEIB measurement can track and position themselves with a diverse talent network, an inclusive work environment, and greater revenue and performance overall. In this course, we'll dive into how to set and analyze those metrics, ways to inclusively and safely collect data, and tips on extrapolating meaning from the numbers.

Middle Manager Leadership and Development Skills

1 HOUR

Middle managers have the unique task of connecting senior leadership with more junior employees. But it's not easy! Whether new or seasoned, middle managers will find practical tips in this course that they won't want to miss.

Security Awareness Training

This course introduces core security concepts, including the CIA triad—Confidentiality, Integrity, and Availability—and practical skills for protecting data and systems. Participants will learn to safeguard sensitive information, identify suspicious emails, and apply security best practices to help strengthen their organization's overall security posture.

Security Awareness Training: Part 2

The Science of Mitigating Bias: Understanding and Action

1 HOUR

In this course, we explore the science behind the biased brain, and ways to mitigate bias using neuroplasticity.

SECTION 04

Get Hired: Career Counseling With Our Get Hired Program

In our Career Tracks, Career Counselors teach the strategy and coach students one on one and in groups, from first portfolio draft through to the offer. Create custom curriculum out of our course offerings, combined across any category or skill set.

Portfolio Workshops

TRACK DEPENDENT

Students take the workshop that matches their Track.

Portfolio Workshop for Full Stack

Students put everything they've learned into practice to code and launch their very own personally branded website. By the end of this milestone, they can launch a portfolio geared toward their desired career and code a responsive website that looks great no matter the screen size.

Portfolio Workshop for Designer

Students put everything they've learned into practice to create and launch a personally branded website featuring their UI/UX work. By the end of this milestone, they can structure portfolio projects to show the UI/UX design process, and design and host a portfolio geared toward their desired career.

PROJECTS STUDENTS BUILD

Portfolio Website Example

The Job Search Classes

5 CLASSES · 15 HOURS

Taken in order, these move a student from career materials to a signed offer.

Complete Your Resume, LinkedIn & Portfolio

In this class, students enhance the materials they provide to potential employers, including their resume, LinkedIn profile, and portfolio. By the end of the class, they have eye-catching, professional job materials that will "wow" recruiters and employers alike!

Launch Your Job Search

With their professional brand and career materials finalized, students are ready to embark on the job search! In this class, they learn how to find and apply to job postings, then level up their search by reaching out directly to potential employers. That outreach helps them stand out and get ahead of the competition.

Prepare for the Interview

When interviewing, how candidates say something matters as much as what they say. In this class, students get insider information on the most effective ways to handle interview questions, and learn which questions to ask to make sure the job is the right fit for their career goals.

Ace Your Technical Test

Taking any test can be nerve-wracking, especially when a job is on the line! In this class, students learn the strategies they need to slay any technical test. We walk them through interpreting tests, planning their approach, and using problem-solving skills.

Evaluate and Accept a Job Offer

A job offer is the news every student is waiting for! Before accepting, there are still a few things to consider. Do the company's values align with their own? Does the job meet their employment and compensation needs? If not, this is the perfect time to ask questions or negotiate.

Ready to Talk It Through?

Tell us where you want to land and we will map the classes to get you there.