

# Ada Developers Academy: Program Overview

*6 Months In Class.  
5-Month Internship.  
Tuition Free.*



ada developers  
academy



# Benefits Of The Program

## PIVOT TO A CAREER IN TECH

### What's Different About Ada

- A cost-free full time program
- Serve 21+ women and gender-expansive adults
- 5 month internship with stipend
- Innovative and industry aligned curriculum
- Community over competition learning environment
- A holistic overview of you as an applicant - no letter grades!

### Become a Software Developer in Just 11 Months

Ada Developers Academy is an intensive coding school prioritizing community over competition. In 11 months, this life-changing experience will teach you how to code, advocate for yourself in the industry, and build communities rooted in social justice. See what you accomplish when you invest in yourself.



## BREAKING BARRIERS AND TAKING UP SPACE



### We Are Diverse

72% of admitted students are people of color. Within this group, 43% are underrepresented folks in tech.



### We Are Powerful

We've generated \$38M in new salaries for women and gender-expansive folks in the tech economy.



### We Are Transformative

On average, Ada alum incomes increase by 160% post-graduation.

# Campus Locations and Offerings

Ada currently has program offerings in Seattle, Atlanta, Digital, and our Accelerate program.

We offer your choices for your journey to tech. If you are located in Seattle or Atlanta you can apply to our local campuses. A typical day caters to a variety of learning styles and consists of reading, watching videos before class, and small group activity-based learning. If you are not located near any of these two cities or need flexibility, you can apply for our Digital program which is 100% online.

## SEATTLE

Seattle is Ada's Headquarters. The Emerald City is home to an abundance of Big Tech companies in the city and Greater Seattle Area. A welcome retreat for mild temperatures during the winter and dazzling summer days with access to land, sea, and mountains; Seattle is the largest tech hub in the Pacific Northwest. This bustling tech scene has grown nearly 28% since 2018 and still continues to grow. The perfect place to land your dream job in tech.

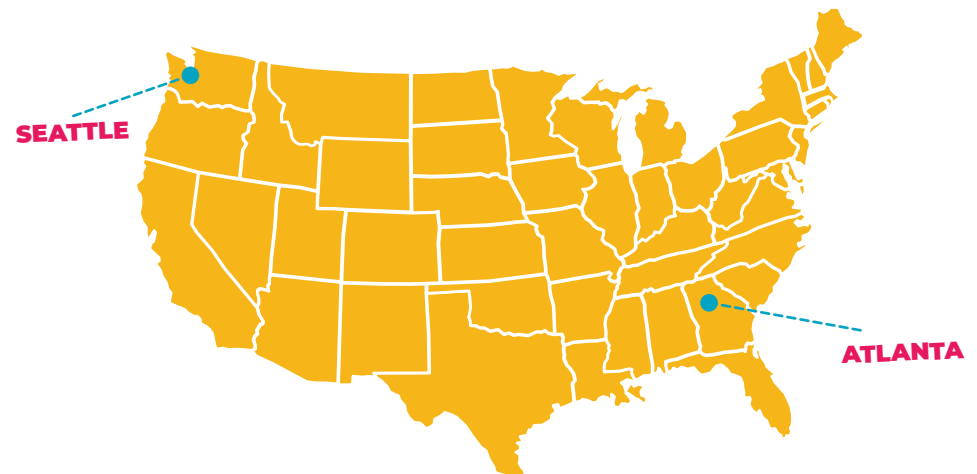
- Corporate Partners in the Area: Google, Microsoft, Nordstrom, Zillow, Blue Origin, Oracle
- Services Available: child care available for children who are under 2 years of age. Subsidized neighborhood-based child care is also available in this location.

## ATLANTA

Atlanta's tech scene is a hot ticket. This bustling city boasts competitive wages and a lower cost of living. As a new market for Adies to call home, this dynamic tech metropolis makes an excellent place to start a tech career.

Itching to get into a collaborative workspace and hit "end meeting" on a Zoom call? Join the Atlanta campus for an in-person internship option in collaboration with the Digital classroom program.

- Some Corporate Partners in the Area: Microsoft, Convoy, Nordstrom, Amazon, Zillow, Redfin, Square, Pardot - Salesforce, Google




**\$117,000**  
 is the average starting salary for Adies

# Campus Locations and Offerings

## DIGITAL (100% Online)

The Digital program creates an online community unlike any other. Access to a dedicated resource hub, weekly roundtable discussions, and peer-to-peer Slack channels enable a safe learning space for students to collaborate.

- Some National Corporate Partners:  
Pinterest, Remitly, Lyft, Dropbox, Getty Images, Indeed

## ACCELERATE

The Accelerate program is a highly sought-after alternative for programmers who are still on the job hunt after completing a previous bootcamp or CS degree. Our Accelerated program is the same as our core program, but instead of 11 months, you'll complete the program in 7 months (4 months in-class and 3 months in internship). You've mastered the fundamentals. Now you just need a refresher and a chance to get your foot in the door.



\*For a full list of partners, review our [Company Partners](#) page.



# Curriculum Overview

## FULL-STACK WEB DEVELOPMENT

We teach full-stack web development, allowing students to choose what specialty of software development they want to pursue in their post-Ada careers. We cover Python, SQL, Flask, HTML and CSS, JavaScript, and Computer Science fundamentals. The complete curriculum is online and open-source.

### Programming Languages



Python and CS  
Fundamentals



SQL and Flask



JavaScript and React



HTML and CSS

### Ada Learning Objectives

1. Learn how to learn
2. Write Code
3. Debug Code
4. Communicate About Code
5. Combine Code Skills and Job Prep
6. Build Communities Rooted in Social Justice

### Your Cohort is Your Support Team

Contrary to popular belief, coding is a team effort, and Ada replicates this industry standard in the classroom using a cohort model. Students move through the curriculum together from start to finish. Cohorts are kept small to ensure students receive ample support from instructors and can connect with fellow classmates.



Small Cohorts



It Takes a Team



1:1 Support

### The Classroom Approach

This will not be your typical lecture format. We cater to a variety of learning styles and keep the classroom dynamic and collaborative. Students learn by doing, and our Instructors are the guides in the process.



#### Classroom Model

Instructor led review sessions and live codes



#### Roundtables\*

Active student discussions and small group activities

\*All of Ada's roundtable lectures are recorded for students to review

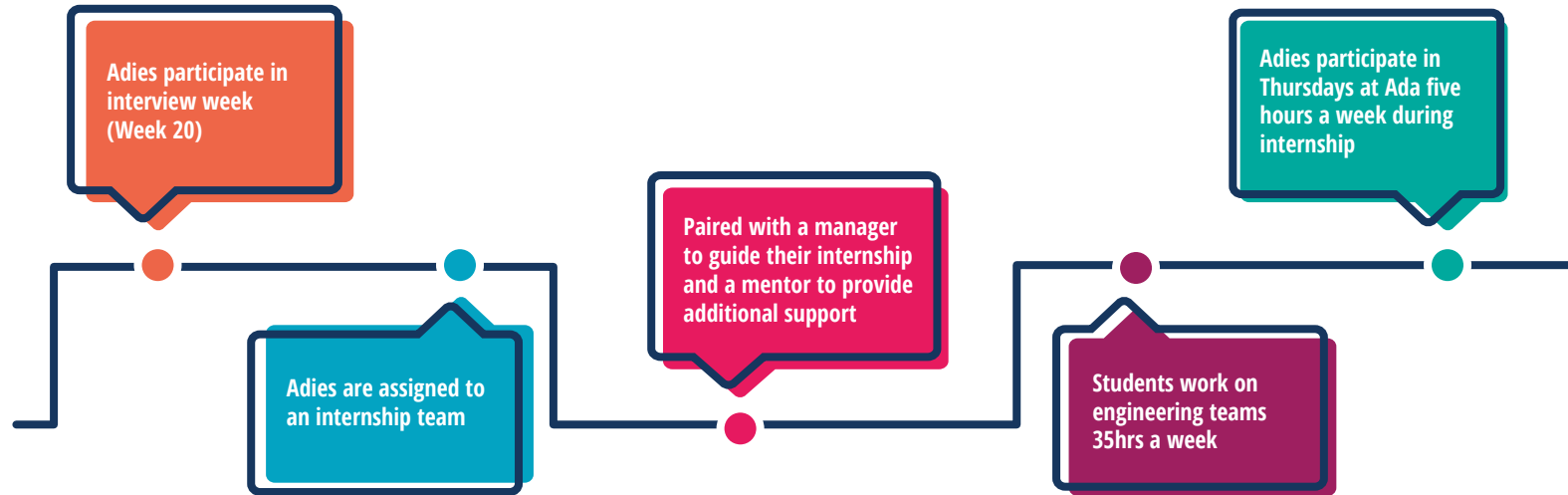
# Internships

## INTERNSHIPS ARE A GAME CHANGER

Adies spend their first months in the classroom learning full-stack web development and transition into their 5-month internship with a stipend to cover living expenses.

Adies are paid a stipend of \$20hr during their 5-month internship.

### Timeline



## THURSDAYS AT ADA

The classroom portion may be finished, but students are still participating in weekly lessons covering CS Fundamentals during internship at “Thursdays At Ada.”

Interns spend up to five hours a week with their cohort covering computer science fundamentals and participate in career development workshops.

### Computer Science Fundamentals

- Algorithms
- Binary Search Trees
- Graphs
- Hashtables
- Linked Lists
- Stacks and Queues

### Career Development Workshops

- Self-care and work-life balance
- Hiring manager perspectives
- Social justice in tech
- Navigating performance reviews and goal-setting
- Resume and LinkedIn development
- Interview preparation
- Mock interviews and technical whiteboarding
- Job search strategy
- Salary negotiation

# Adies Are Set Up for Success

## MORE THAN JUST A BOOTCAMP

Determination to become a software engineer is not enough. We make sure students are holistically supported throughout the program with access to mental health supports, equipment, community connection, student success coaches, and financial options.

### Program Supports

Ada is more than just a bootcamp. Bring your whole self to class every day.



#### Therapy

Ada offers free, confidential, and ongoing therapy with national coverage through Better Help.



#### Computers

If you need a MacBook to start your journey, Ada can provide you with your very own computer.



#### Affinity Groups

Network with fellow Adies looking to create community amongst like-minded individuals. An invaluable resource during and after your time in the program.

#### Financial Loans

Ada offers financial loans to cover the first six months of your living expenses.



#### Child care\*

Ada offers childcare subsidies during the classroom portion of our program to low-income parents with children in daycare and who are under the age of 6 and not yet in kindergarten.



#### TA's and Industry Mentors

Receive guidance from industry experts as you conquer the coding world. Early morning and late-night office hours available and knowledge on how to maneuver the tech industry.



#### Student Success Coaches

Your primary contact for non-academic counseling and advising. Confidentially discuss things like emotional/personal wellness, accommodations, student experience at Ada, accessing academic support, career transition concerns, or finding resources and referrals to external services.



#### Career Services

Students who complete the classroom and internship portions of the program are considered Ada graduates and are eligible for postgraduate job search supports.

# Change Careers with Confidence

## ADIES GET JOBS AT BIG TECH COMPANIES



### Adies Secure the Bag

The average starting salary for Ada grads at their first software engineering jobs is \$117k.

### Adies Don't Have to Wait

All Ada Graduates receive ongoing job search support after they've completed the program.

- Company introductions
- Mock interview support
- Access to full-time interview loops with partner companies
- 1:1 career coaching with Ada staff
- Support with resumes, LinkedIn, job search strategy, networking, interview preparation, job offer assessment, and salary negotiation
- Access to job opportunity newsletter post-graduation
- Lovelace Learning Labs for continued professional development



"Ada Developers Academy changed my life. I am financially independent for the first time in my life and no longer worried about making rent or seeking medical care when I need it. I have also been able to financially help my parents with their financial difficulties."

ADA STUDENT

## \$38 million

In new salaries created for women and gender-expansive folks in the tech industry



"Pre-Ada I was making about \$35,000 a year—almost half of my paycheck each month went to rent. Post-Ada, my base salary was \$130,000! With my signing bonus, I paid all of the non-student loan debt, a solid chunk of my student loans, and had a fully funded emergency fund for the first time in my adult life."

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# Social Justice At Ada

Women and gender-expansive folks have been historically disenfranchised from the tech space. We are building a more inclusive and resilient economy by empowering women and gender-expansive folks with training for a fulfilling career in software development. We honor the intersectionality of folks and encourage you to show up as you are from day one.

## VALUES

- 1 We actively work to be **anti-racist**, inclusive, and equitable, with a focus on the impacts of intersectional diversity.
- 2 We hold a **student-centered** mindset and are committed to delivering a high-quality experience that appropriately challenges students.
- 3 We are an authentic community of learners with a **growth mindset**.
- 4 We take **accountability** for our work as individuals because we are part of a team that supports and can count on each other.
- 5 We take **ownership** of our work: we admit to our mistakes, take responsibility for creating solutions, and consider the impact on staff and students when we make decisions.
- 6 We are **impact-driven**. We strive to innovate and embrace change that leads to increasing the impact of our work.

- **Anti-racist**
- **Student-centered**
- **Growth mindset**
- **Accountability**
- **Ownership**
- **Impact-driven**

## We Solve

- Unequal distribution of economic power
- Lack of diversity in tech

## Vision

We envision a world in which Black and brown women & gender expansive people achieve economic power through careers in tech.

## ADVOCACY

Adies are not only trained to be strong developers but also strong advocates. Ada hosts workshops, critical conversations, and presentations around racial justice at Ada and beyond.

# Ada Community

KICKSTART YOUR CAREER WITH A COMMUNITY THAT CARES

**500+**

Ada alums served

**100%**

of Instructors have industry experience



Adies are non-traditional students that come from a variety of backgrounds

## LIFT AS WE CLIMB

Adie Nation is growing as Adies continue to recruit folks who are competent coders, can communicate their needs, understand the power of diverse teams, and are resilient humans. Check it out.

### Companies with Large Adie Communities

amazon

**80+**

Adies

NORDSTROM

**40+**

Adies

indeed®

**40+**

Adies

Microsoft

**30+**

Adies



\*company information as of 2021

# Dreaming of Getting Started?

Ada Developers Academy is an intense and rigorous program that will require you to challenge yourself. It will be a life-changing experience that will teach you how to code, advocate for yourself in the industry, and build communities rooted in social justice. See what you accomplish when you invest in yourself.

## What does it take to get through the program?

- Getting comfortable being uncomfortable
- Grit and resilience
- Patience with learning a whole new concept
- Self-Advocacy; When you need help, ask!
- A strong support system

## Are you a newbie to code?



**Build up your fundamentals before applying – check out Ada Build.**

### Program Units



#### Python

A computer programming language often used to build websites and software, automate tasks, and conduct data analysis.



#### Flask

A web framework that lets you develop web applications easily.



#### JavaScript

A programming language that allows you to implement complex features on web pages.



#### SQL

A domain-specific language used in programming and designed for managing data held in a relational database management system.



#### React

A free and open-source front-end JavaScript library for building user interfaces based on UI components.

### PRO TIPS



Students, on average, spend 4-5 hours on assignments outside of the classroom.



The curriculum is rigorous, and it is not advised for students to work while going through the program.



Your support system can be a lifeline while you're in the program. Start thinking about who could be essential before you get started!

# Syllabus Breakdown

## PRECOURSE

### PYTHON 101

3 Weeks Before the Program

Review and practice core programming concepts:

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Variables and scope

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Functions

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Iteration

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Control Flow (conditionals)

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Lists and Dictionaries

## UNIT 1

### PROGRAMMING FUNDAMENTALS

Week 1-5, Week 6 - Break Week

Further core programming concepts and learn computer science fundamentals. Explore test-driven development, exception handling, data structures, Big O, object-oriented programming, and version control with Git/Github.

#### Program Concepts and Projects

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Practice logical problem solving using guided techniques to break down problems and utilize pseudocode.

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Create and iterate over nested data structures

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Use version control to record, maintain, and collaborate on projects

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Identify, debug, and handle errors by using the stack trace, VS Code's debugger.

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Handle exceptions using try and except clauses

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Explore the relationship between memory allocations and arrays in Python

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Apply time and space complexity analysis to arrays and operations on arrays

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Use linear and binary search algorithms to search through array

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Write and utilize automated unit tests using Pytest

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Dive into Object-oriented programming by building and testing classes with instance and class methods in Python

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Utilize inheritance, composition, and decorators

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Understand the relationship between memory, references and values

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Analyze algorithms using Big O notation

# Syllabus Breakdown

## UNIT 2

### INTRO TO BACK-END WEB DEVELOPMENT

Week 7-10, Week 11-12 Company Presentations

Learn the fundamentals of back-end development. Design, build, and maintain a database using PostgreSQL. Design APIs in Flask to interact with databases and extend programs using third party APIs.

#### Program Concepts and Projects

Use CRUD actions and SQL Queries to build, modify and interact with databases

Create one-to-many and many-to-many relationships between tables

Design and build an API to explore HTTP, REST, and the client/server model relationship

Build and design requests and responses using data and JSON

Build an API in Flask to define endpoints, query params, create models, and perform CRUD actions using HTTP requests.

Test APIs using Postman and Pytest

Deploy APIs using Heroku

Explore use cases for hash tables and recursion in problem-solving

Collaborate in small groups to practice agile and maintaining projects using git





# Syllabus Breakdown

## UNIT 3

### INTRO TO FRONT-END AND FULL-STACK WEB DEVELOPMENT

Week 13-17, Week 18-Break Week

Learn the basics of front-end development. Design and build static websites using HTML, CSS, and JavaScript. Develop web apps in React to present data and handle user interaction.

#### Program Concepts and Projects

Organize web content in HTML, using best semantic HTML practices

Apply styles to web pages using CSS selectors by element type, class,

ID, and relationship in the DOM

Design the layout and flow of elements using CSS Grid and Flexbox

Solve problems using variables, loops, and functions in ES6

Utilize automated tests in JavaScript

Manipulate the DOM and handle events in JavaScript

Make and handle asynchronous API calls in JavaScript

Create and render functional components in a React JS webapp

Manage props and PropTypes in a React JS webapp

Manage state using the useState hook in a React JS webapp

Make API calls using the useEffect hook in a React JS webapp

Practice full-stack development with distinct front-end and back-end layers

## FINAL WEEK OF CLASS

Week 19 - Career Prep

Week 20 - Interview Week

Week 21 - Break Week

Week 22-25 - Capstones

Week 26 - Break Week

Week 27-Week 47 - Internship

# Ready to be an Adie?

## SELF CHECK-IN



Absorbed every free resource possible to learn the coding fundamentals

Are you a coding newbie or got the basics down but need some practice?

**START WITH ADA BUILD**



Completed the Ada Build Curriculum to get a sense of Python

Want to speak to an Outreach Coordinator?

**SCHEDULE A CALL TODAY!**



Attended an info session



Completed the Self Check-In



Prep to apply to Ada!

**SEE WHEN THE NEXT APPLICATIONS OPENS**



## Contact Us

[Adadevelopersacademy.org](https://adadevelopersacademy.org)  
[outreach@adadevelopersacademy.org](mailto:outreach@adadevelopersacademy.org)