

Madeline Helmstadter

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EDUCATION

Georgia Institute of Technology, College of Computing
Bachelor of Science in Computer Science

Atlanta, GA
Spring 2019

- Concentration in Artificial Intelligence and Human-Computer Interaction, Minor in Spanish
- Relevant Coursework: Computer Organization, Software Engineering I, Discrete Math, Data Structures & Algorithms

EXPERIENCE

Ultimate Software

Software Engineering Intern

Weston, FL

Fall 2017-Present

- Developed test automation frameworks and internal tools, and maintained legacy code in an Agile environment
- Built mobile and web applications with microservices architecture to aid in research on AI self-testing software

College of Computing

Tutor

Atlanta, GA

Spring 2017-Present

- Meet with students weekly to aid them in their understanding of the fundamental concepts of Data Structures and Algorithms in the context of object-oriented programming

Youth Digital

Lead Teacher / Server Design

Washington, D.C.

Summer 2017

- Taught Java basics, key coding concepts, and standards of excellence that allowed students to create unique and customizable projects weekly
- Assisted students in project debugging/troubleshooting and acted as an IT Specialist to resolve any technical challenges

PROJECTS

TechStar Application Portal (48 Hours Internal Hackathon)

Miami, FL

- Built an application that streamlines the recruitment process for both companies and candidates, allowing students to create candidate profiles for career fairs, and for recruiters to update and use the given information to create a presence for each applicant in the company's internal recruitment system with just one click

BossLadies (ShellHacks @ FIU)

Miami, FL

- Developed an application for community and mentorship with Meteor.js to empower women to achieve their career goals and combat discrimination, lack of role models in STEM, and other challenges

Urban Arcade (HackGT @ UPC)

Barcelona, Spain

- Created an interactive web application that uses location services and real-time updates to transform social accessibility of public spaces
- Enhanced traditional Pac-Man game through integration of JavaScript and the Google Maps API
- Featured as Staff Pick on Devpost, a website used to showcase software projects

Virtual Board Game

Dulles, VA

- Created a turn-based, responsive Java / Swing game application called "Senioritis" with a user-centric, resilient interface
- Computed numerical constraints and probability to increase the playability of the application

SKILLS/INTERESTS

- **Technical:** (Proficient) Java, (Experienced) Angular 4+, C#, Python, node.js .NET, HTML, CSS
- **Research:** Virtual Reality and Academic Resilience (Vertically Integrated Projects), Etsy User Experience
- **Work/Activities:** Part-time Event Manager at Historic Academy of Medicine, Stage Manager at DramaTech Theatre, Usher for the Fox Theatre

LEADERSHIP

Women at College of Computing

Secretary

Atlanta, GA

Fall 2015-Spring 2017

- Held weekly meetings that created a space for women in computing to ask questions, share their advice and experiences, and have discussions about relevant issues and current opportunities
- Worked with a variety of companies to plan informational, networking, and social events and activities for the community