Madeleine Young

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Graduating Computer Science student with internship experience. Interested in user-centered, accessible, and semantic design. Proven history of communication, teamwork, and creative problem-solving.

Experience

Fidelity Investments
May 2019 - Aug. 2019

Software Engineering Intern - Quality Assurance
- Automated end-to-end testing of an internal trading website, allowing the same tests to be run with different inputs and tests to continue after previous test failures. *(Cypress, JavaScript, Cucumber)*

Plymouth State University
Jan. 2019 - Present

Computer Science Department Fellow
- Tutor during walk-in department tutoring hours.
- Created website for use by the PSU CS/IT Department administrator to manage database of senior projects. *(HTML, Bootstrap, PHP, JavaScript, MariaDB)*
- Lab assistant and grader for Computer Hardware.

Fidelity Investments
June 2018 - Dec. 2018

Software Engineering Intern - Quality Assurance
- Manual testing of an algorithmic trading application. *(Command Line, FIX Protocol)*
- Created training documentation on application and presented to upper management.

Plymouth State University
Jan. 2018 - Dec. 2018

Tutor/Lab Assistant, Computer Science Department
- Tutor during walk-in department tutoring hours. *(Python, Java, C/C++, Database Management, and Algorithm Analysis)*
- Lab Assistant for Data Structures and Intermediate Programming. *(Java)*

Plymouth State University
Jan. 2018 - Present

Tutor, Math Activities Center
- Tutor in the walk-in Math Activities Center. *(College Algebra, Logic and Proofs, Calculus I, II, & applied, and Math for Computer Science)*

MSPCA Angell Animal Medical Center
March 2015 - Aug. 2017

Client Liaison and Boarding Specialist
- Communication liaison between medical staff and the public.
- Scheduled appointments, managed boarding reservations, provided guidance for owners experiencing animal-related emergencies, participated in training new team members.

Education

Plymouth State University
Expected Graduation: Dec. 2019

BS in Computer Science
Minor in General Mathematics
- GPA 3.77
- Member of Competitive Programming Team
- Notable Coursework: Web Programming, Software Engineering, Algorithm Analysis, Database Management, Differential Equations, Linear Algebra

Skills

- JavaScript
- JQuery
- Semantic HTML
- CSS
- Bootstrap
- PHP
- MySql & MariaDB
- Socket.io
- Cypress
- LaTeX
- Git & GitHub
- Object-Oriented Programming
- Agile Methodology
- Written and Verbal Communication
- Presentation Skills
- Working knowledge of: Node.js, TypeScript, Angular, Python, C/C++/C#, WordPress, Firebase, Chapel

Projects

Online Go
Aug. 2019 - Present

Design and implement a website to play Go with another player in real time with rule enforcement. *(HTML, CSS, JQuery, Node.js, Socket.io)*

Photo Album Application
Aug. 2019 - Present

Design and implement a photo album application using modular design to allow for code reuse when faced with changing requirements. *(Java)*

Dice Rolling Application
April 2019 - May 2019

Created a mobile application (Android) to visualize and record polyhedral dice rolls. *(Java, XML, Firebase)*