

# Madeleine Young

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269-254-6155

## Education

Plymouth State University  
*BS in Computer Science*  
*Minor in General Mathematics*

Expected Graduation Dec. 2019  
GPA 3.77

## Extracurricular

Member of Plymouth State University  
Competitive Programming Team

## Skills

Java  
JavaScript  
Semantic HTML  
CSS  
Bootstrap  
MySQL  
MariaDB  
Cypress  
LaTeX  
Object-Oriented Programming  
Agile Methodology  
Verbal and Written Communication  
Presentation Skills  
Teamwork

## Experience

Fidelity Investments  
May 2019 - August 2019

*Software Engineering Intern - Quality Assurance*  
Automated end-to-end testing of an internal trading website  
(Cypress, JavaScript, Cucumber).

Plymouth State  
University  
January 2019 - Present

*Computer Science Department Fellow*  
Created website allowing adding, editing, and searching  
database of senior projects (HTML, Bootstrap, PHP,  
JavaScript, MySQL)  
Lab assistant and grader for Computer Hardware  
Tutor during walk-in department tutoring hours

Fidelity Investments  
July 2016 - August 2017

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

Plymouth State  
University  
January 2018 - December  
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  
January 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)

## Selected Projects

Online Go  
August 2019 - Present

Design and implement a website to play Go online (Angular,  
Socket.io)

Photo Album Application  
August 2019 - Present

Create a photo album application (Java)

Parallel Programming  
Design Pattern  
January 2019 - May 2019

Implemented new Parallel Programming Design Pattern based  
on Dispatcher/Worker Pattern (Java)