

Jeff Martin

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Undergraduate student of Computer Science seeking an internship for the summer of 2018.

Education

Worcester Polytechnic Institute (WPI)

Bachelor of Science in Computer Science, GPA: 3.98/4.00

Minor in Electrical and Computer Engineering

Relevant Coursework: *Artificial Intelligence, Algorithms, Software Engineering, Object Oriented Design, Database Systems, Statistics, Probability, Linear Algebra, Calculus*

Worcester, MA

2015–Present

Skills

Languages: Java, C, Scala, Python, SQL, HTML, CSS

Software: Git, L^AT_EX, Eclipse

Operating Systems: Linux, MacOS, Windows

Work Experience

MIT Lincoln Laboratory

Cyber Analytics and Decision Systems, Research Intern

Conducted research within the space of cyber security visual analytics tools. Developed software infrastructure to aid developers of cyber security visual analytics tools. Implemented new features within an existing cyber security visual analytics tool.

Lexington, MA

May 2017–August 2017

Analog Devices Incorporated

Software Engineer Intern

Implemented an internet of things solution. Created a custom Bluetooth Low Energy profile to transmit sensor data. Developed an Apache web server to host sensor data. Built an android application to test the robustness of the custom BLE profile. Performed analytical performance tests on the system.

Wilmington, MA

July 2016–August 2016

Project Experience

LetterCraze

Software Engineering (CS3733)

Worked on a team of five to develop the LetterCraze application. This game resembles the popular Candy Crush Saga; however, the player is required to find words within a board of letters. Learned software engineering principles of analysis and design in the scope of the entity-boundary-controller design pattern. Served as project leader, a developer, and a tester throughout the course of this project.

WPI

October 2016–December 2016

Rubik's Cube Solver

Artificial Intelligence (CS4341)

Developed a rubik's cube solver that used IDA* and subgoal decomposition to perform a goal oriented state space search. Conducted independent research of various goal decompositions and their corresponding advantages. Merged multiple decompositions based on their advantages to create a new decomposition capable of solving a Rubik's Cube 33% more move efficiently and 93% more time efficiently than an average human solver. Built with Java.

WPI

August 2016–October 2016

Leadership Experience

Institute of Electrical and Electronics Engineers

Vice President (Current), Webmaster (Current), President, Treasurer, Secretary

WPI

2015–Present

Residential Services

Residential Advisor

WPI

August 2016–May 2017

Computer Science Department

Senior Assistant (Tutor)

WPI

August 2016–Present