

Kyle Corry

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OBJECTIVE

An internship in software engineering for the summer of 2019.

EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA

B.S. in Computer Science, GPA 3.95, December 2019

SKILLS

Programming Languages: Java, C, C++, JavaScript, HTML, CSS, Python, JavaDB, JavaFX, OpenCV

Software Development Tools: Git, Linux, IntelliJ, Eclipse, Android Studio, GitHub, Gradle, TravisCI

Agile Project Management Tools: GitHub Project, Slack, Trello

RELEVANT COURSEWORK

Software Engineering, TTB COLA Prototype, March 2018 - May 2018

This course had eleven-person student teams working in a class competition to apply Agile development methodologies and software design patterns in Java to create a prototype application for the US Treasury's Alcohol and Tobacco Tax and Trade Bureau. The application simulated a company's submission of alcoholic beverage labels for certification and the agency's processing of those submissions. The application also provided the capability to perform simple and complex searches on alcoholic beverage label data.

- As a lead software engineer, I designed and helped implement the search, review, and submission subsystems of the application through the creation of UML use cases and class diagrams. I was the technical leader of the entire team.
- Our team successfully delivered the requested application at the end of the seven-week term and was recognized for winning the team competition for the best application in the first development iteration.

Accelerated Object-Oriented Design Concepts in Java, Systems Programming Concepts in C++ and C, Algorithms, Operating Systems, Mobile and Ubiquitous Computing, Webware, Computer Networks

WORK EXPERIENCE

Computer Science Teaching Assistant, Foster-Glocester Regional Schools, May 2018 - June 2018

Student Assistant, WPI CS Department (Software Engineering), February 2018 - May 2018

- Guided two Agile software engineering teams in their project to build an indoor pathfinding, map builder, and service request application for Brigham & Women's main hospital campus.

Sustainability Intern, WPI Office of Sustainability, July 2017 - Present

- Used Drupal to maintain and update the Office of Sustainability website

Summer Technology Intern, Foster-Glocester Regional Schools, Summer 2016 & 2017

OTHER

Interim Events Coordinator, Upsilon Pi Epsilon (CS Honor Society), WPI

Front-end web developer, Aero Energy Association

Software Engineer, NASA Space Robotics Challenge, WPI

- Created APIs for NASA's R5 humanoid robot's arm, head, and torso movement in ROS using C++ as a software engineer in an Agile development team. The team was a finalist in the competition.

KKAT Wi-Fi, PHS, August 2015 - June 2016

- Developed a Wi-Fi router placement application for Android in a team of 4 using the engineering design process

Lead Mentor of Programming and Controls, FRC Team 5112, June 2016 - Present

- Created the Robot Vision API in Java

Open Source Developer, Pop!_OS, System76

- Developed a Do Not Disturb GNOME Extension with JavaScript using requirements from System76

President, Green Team, WPI

Machine Learning for Kids AppInventor API Developer, Machine Learning For Kids

AWARDS

Dean's List, WPI, Fall 2016, Fall 2017, Spring 2018

Class Salutatorian, Ponaganset High School, North Scituate, RI, June 2016