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Employment

Software Engineer Intern **Oscilloscape** **12/18 – 5/19**

- Improved the build/development workflow, speeding up the process by 3x. Developed ARM cross-compilation and deployed a CI/CD using Jenkins
- Implemented features across platforms of Linux embedded devices, Android, and iOS.
- Designed and implemented cross platform software in Python and C++
- **Skills Utilized:** C++, Linux, ARM, Flutter/Dart, CMake/Make, Bluetooth, Jenkins

Software Engineer Intern **Veson Nautical** **05/18 – 08/18**

- Implemented features in an Windows Service for automated PostgreSQL tests
- Implemented general text search feature and its data pipeline utilizing a back end of Elasticsearch, Python, C# REST API, and AWS Lambda and a front end of Backbone and React.
- Implemented ELK-stack log analytics solution used for troubleshooting of core applications of the company
- **Skills Utilized:** C#, Python, Javascript, Backbone.js, React, REST API, AWS Lambda, PostgreSQL, Windows Services, Elasticsearch

Software Engineer Intern **Isoplexis** **06/17 – 01/18**

- Developed several in-house tools that assisted and automated the routines of a biomedical imaging device, such as microfluidics actuation control tool
- Developed functionalities involved with the biomedical imaging, such as selective autofocus and motor actuator control
- Developed core product of the Yale biomedical startup from the early stages to near-release in a team of three
- **Skills utilized:** C++, Python, Qt, OpenCV, Git, Google Test

Programmer **Trinity College** **03/16 – 05/16**

- Developed the front end and back end for the robotics contest scoring system using Flask and JQuery
- **Skills utilized:** Javascript, Python (Flask), AWS, MySQL, Bootstrap, Git

Education

Hartford, CT **Trinity College** **09/15 – 05/19**

- B.S. in Computer Science, B.S in Mathematics with Minor in Philosophy, May 2019. GPA: 3.35.
- **Relevant Coursework:** Algorithm Analysis, Computer Graphics, Computer Systems, High Performance Computing, Operating Systems, Programming Languages, Artificial Intelligence

Technical Experience

Projects

- **Intelligent Ground Vehicle Competition** (2015-2018).
  - Led as a project leader of an interdisciplinary team of engineers
  - Developed functionalities of an autonomous vehicle involving skills such as computer vision, actuator control, sensor (LIDAR, GPS, IMU, etc) integration
  - Developed a course for students about basics of robotics and Linux (See **here**)
  - **Skills utilized:** C++, Python, Robot Operating System (ROS), OpenCV, Arduino, Linux, Git

Languages and Technologies

- **Proficient in:** C++ (11), Python, Javascript, Java, C, C#, Qt, OpenCV, Linux, Windows Development, REST API, AWS (**AWS Certified Developer**), Git, Robot Operating System (ROS)
- **Familiar with:** NodeJS, SQL, Google App Engine, Flask, WebGL, HTML/CSS, Arduino