Sudharsan Prabu

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**Education**

University of Washington | Direct Admit to Computer Science and Engineering Program

Planned Graduation Date | Spring 2019

Courses/Knowledge: Accelerated Programming I/II | Self- Learning Data Structures and Algorithms

Math 126 (Calculus with Analytical Algebra) | English 131 (Composition: Exposition)

**Employment History**

**Summer 2014 – Fall 2014 Research Assistant**

* Worked under the supervision of Dr. Shieh Chieh Hsu alongside a small research team to discover effect of different density materials and the zenith angle on muon flux.
* Automated C++ application to to serialize and store muon data for latter research analysis.
* Presented the research work to several professors in the department.

**Projects**

**Dub Hacks Project – Mapify |** Team Hackathon Project

* Created a trip itinerary planner at the Hackathon using the Google Maps API and the Google Places API.
* Built with Sublime Text using specifically JavaScript and JQuery, Twitter Bootstrap, HTML, and CSS.
* App takes in a starting location, displays local places according to their rating in the Google Places API on a map using Google Maps API. Then user can choose these locations to build an itinerary.

**2015 FIRST Robotics Competition Robot Code |** Team Project

* Drove both hardware and software design aspects as president.
* Helped write and test autonomous controls, drive controls, and elevator mechanism.
* Used primarily NetBeans IDE environment for Java and the FIRST WPILib.

**RSS Aggregator |** Personal Project

* Created a custom version of RSS aggregator.
* Built with primarily Eclipse IDE environment for Java Android development, XML for the user interface, and the SQLite database in Android for storage.
* Enhanced user customizability features as well as a simplistic design.

**Skills**

**Proficient:**

Java, HTML, CSS, C++, Eclipse, Sublime, Windows OS, Mac OSX

**Familiar:**

JavaScript, JQuery, C#, PHP, MySQL, SQLite, Bootstrap, Node.js, Git