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# 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