

# Des Marks

desmarks11@gmail.com  
nodes11.github.io  
(360)-271-7522

## Education

**Washington State University - *Bachelors of Science in Computer Science* – (August 2012-December 2016)**

## Experience

**The Daily Evergreen – *Photo Editor* – (June 2015-Present)**

Oversees the hiring and management of photographers, holds weekly section meetings, aids in the design and layout of the newspaper, and edits all photos that are used by the paper.

**Flash Volunteer (Volunteer) – *Developer* – (March 2015-Present)**

Updates and maintains the front-end features of the website using JavaScript, Ruby on Rails and MySQL.

[www.flashvolunteer.org](http://www.flashvolunteer.org)

**Washington State University - *Technical Assistant III* – (May 2015-August 2015)**

Worked on integrating Deter into the EECS testbed and started working on research involving the security behind the Secure Boot feature enabled by the UEFI BIOS setting on Intel processors.

**The Daily Evergreen – *Developer* - (January 2015-August 2015)**

Main developer for a map filtering application that uses the Leaflet mapping API, and helped in the building of websites.

**Computer Security Group (Volunteer) – *Secretary* – (September 2014-May 2015)**

Helped organize and lead bi-monthly meetings.

**Washington State University – *Teaching Assistant* – (August 2014-December 2014)**

Held a lab section once per week to teach and help students understand the principles behind basic data structures and was responsible for grading assignments, quizzes and exams.

**Northwest Golf Range – *Cashier* – (May 2010-August 2014)**

Gained experience with general customer service, managing tills, and opening and closing procedures.

## Projects

**Spreadsheet** - A C# implementation of a spreadsheet with features that include cell referencing, evaluation of simple and complex expressions, redo and undo features, load and save functionality, and cell design.

**Universal Map Filtering** - A JavaScript application that allows the user to create a Leaflet based map with multiple filters. Each filter interacts with one another allowing for a more precise breakdown of the data being represented.

**C and C++ Data Structures** - A templated expose of the basic linked list based data structures.

**Gravitational Field Simulation** - A C# application that allows simulates the planets and their gravitational fields using basic graphics included in .NET framework.

**Number Scramble** - An iPhone application in Objective C where the user looks through 50 random numbers for a single specified number in a five second time period. The user wins after they find 100 numbers in a row.

**Battleship** - A console application that simulates the game of battleship implemented in both C and C++.

## Skills and Achievements

C, C++, C#, Objective C, Python, JavaScript, SQL, Ruby on Rails, HTML, CSS, Photoshop, Lightroom

***Most Valuable Programmer* – The Daily Evergreen, May 2015**

***The Peoples Choice Award* – ORC Outdoor Photography Contest, January 2015**

## Relevant Courses

**CPTS:** 111, 121, 122, 223, 224, 260, 317, 322, 323, 355, 360

**Math:** 171, 172, 216, 220, 273, 360

**Physics:** 201, 202