Des Marks

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codedes.com
(360)-271-7522

Education

Washington State University - *Bachelors of Science in Computer Science* – (August 2012-December 2016)
Cumulative GPA: 3.26 | *Major GPA*: 3.41

Relevant Classes: Automata and Formal Languages, Software Engineering Principles I, Software Design, Programming Language Design, Systems Programming, Operating Systems and Computer Architecture, Design & Analysis Algorithms, Web Development (more classes listed on my website)

Skills: C, C++, C#, Objective C, Python, JavaScript, SQL, Ruby on Rails, HTML, CSS, Linux, FreeBSD, Machine Virtualization, Photoshop, Lightroom

Projects

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

Spreadsheet Application
- A C# WinForms implementation of an excel like spreadsheet with features that include cell referencing, evaluation of simple and complex expressions, redo and undo features, load and save functionality, and cell design.

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.

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

C and C++ Data Structures
- A templated expose of the basic linked list based data structures including a queue, a stack, a linked list, a binary search tree, C vector, and a C AVL tree. All C++ implementations use a templated base node class.

Experience

The Daily Evergreen – *Photo Editor* – (June 2015-Present)
- Oversees the hiring and management of photographers, holds weekly section meetings, and edits all of the 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.
- Link: 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.

Awards

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

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