Andrew Rindfleisch

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Education

Brigham Young University – Idaho   **Anticipated Graduation April 2017**
Bachelor of Science in Computer Science   *Rexburg, ID*
Cumulative GPA: 3.9/4.0

Skills

Languages: C#, Java, C++, JavaScript, Python, HTML, Three.js, SQL, and AngularJS

Other: Windows, Agile, Linux, object-oriented design, Visual Studio, NetBeans, Git, Perforce, Subversion, machine learning, embedded systems, and 3D graphics

Work Experience

Medtronic   **June 2016 – August 2016**
Software Engineering Intern – C# Embedded Systems   *Boulder, CO*
- Designed and implemented a new multithreaded start-up application in C# on Windows CE for an SpO_2 Monitor which reduced its start-up time by 8 seconds
- Created a design document which became the standard of excellence for our team in India
- Wrote test code and test protocols for the new start-up application
- Studied the code base and design documents to gain a working understanding of the monitor's architecture

Clearwater Analytics   **May 2015 – August 2015**
Software Development Intern – Web Engineering (Java)   *Boise, ID*
- Collaborated with another intern to design and implement a RESTful web service in Java
- Worked on a team with four other interns to develop a user interface written in AngularJS
- Added additional functionality to a preexisting Java application which compares data in an Excel file
- Coordinated and conducted meetings with stakeholders to elicit requirements

Brigham Young University – Idaho   **October 2014 – February 2015**
Teaching Assistant – C++Tutoring   *Rexburg, ID*
- Helped students master principles of discrete mathematics in private and group tutoring sessions
- Taught basic object-oriented design principles in C++

Projects

3D Maze Generator   **February 2016 – Present**
Personal Project – JavaScript & Three.js   *https://ajrind.github.io/Labyrinth/*
- Created an interactive 3D maze through which the user can navigate
- Designed an algorithm which generates two-dimensional random mazes

Steam Library Assistant   **February 2015 – April 2015**
Student Project – Web Engineering (Java)   *Brigham Young University–Idaho*
- Built a web application in Java using the Steam API which allows users to compare their Steam library with those of their friends
- Collaborated with two other students to design and develop the application