Fiona R. Cutler

(435) 557-6107 | fiona.r.cutler@outlook.com
Github: https://github.com/FionaCutler/ **LinkedIn:** www.linkedin.com/in/fionarydercutler

Software engineer seeking a position to learn, grow, and build robust applications.

Work Experience

Systems Engineer/Intern – Sorenson Genomics Laboratory – Summer 2014, 2015, and 2016,
Fall 2016-July 2017

- Created a REST service in C# that functions as the back end for a WordPress site.
- Contributed code to two ASP.NET MVC 5 applications, helping the company to hit our contract deadlines on those projects.
- Developed a Windows service written in C# that synchronizes genetic sample data between two MySQL databases, resolving any issues with database constraints.
- Developed a plugin for IntelliJ IDEA for a custom language for Lab Information Management Systems (LIMS) with features such as syntax highlighting, code completion, and structure view, which was used by my coworkers working in that language.

University Education

- Computer Science Major/Chemistry Minor at the University of Utah

- Graduated Cum Laude (GPA: 3.875)

Computer Science Elective Courses Taken

- Scientific Computing
- Computer Networks
- Machine Learning
- Visualization
- Network Security
- Computer Vision
- Data Mining
- Operating Systems

Significant Projects

- Made a program designed to sort albums into subgenres based on album cover alone, using a web crawler to pull album data from an existing website, OpenCV to identify features in the images, and a support vector machine to classify
- Worked in a group on a profiler visualization in D3.js for the Stanford Legion Project.
- Worked in a group on a Swift application that used a QR code exchange to exchange keys for an encrypted messaging app.

Technical Skills

- Experience in C#, Java, C++, C, Javascript
- Experience with T-SQL, ASP.NET MVC, and D3.js.
- Version control with SVN, Mercurial, git, and Github.

Honors and Achievements

- National Merit Scholar
- University of Utah President's Scholarship (4 years full tuition and fees)

Other

- 8 years of Aikido, with some experience teaching children.