

Fiona Cutler

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<https://github.com/FionaCutler>

OBJECTIVE

To learn, grow, and build robust applications.

EXPERIENCE

Sorenson Genomics Laboratory

Systems Engineer/Intern

Summer 2014, 2015, and 2016, Fall 2016-July 2017

[Salt Lake City, UT](#)

- Contributed code to two ASP.NET MVC 5 applications, helping the company to hit our contract deadlines.
- 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.
- Created a REST service in C# that functions as the back end for a WordPress site.

EDUCATION

University of Utah

Bachelor of Science in Computer Science, Chemistry Minor

Aug. 2012 – June 2017

[Salt Lake City, UT](#)

- Graduated Cum Laude (GPA: 3.875)
- Electives include: Machine Learning, Computer Vision, Quantum Chemistry

UNIVERSITY PROJECTS

- Developed a machine learning program to categorize album covers by genre, building a web crawler in Ruby to grab covers and training data, then using a modified support vector machine to classify
- Working in a team, made a D3.js profiler visualization for the Stanford Legion Project
- Working in a team, built a Swift messaging app that encrypts by exchanging keys via QR codes. I worked on generating keys, converting them to QR Codes, then using them to encrypt in AES.

TECHNOLOGIES

- **Languages** : C#, Java, C++, Javascript, Typescript, T-SQL
- **Libraries** : D3.js, FFMPEG, ASP.NET MVC, React Native
- **Tools** : SVN, Git, Mercurial, Visual Studio, Visual Studio Code

OTHER

- 8 years of Aikido, with some experience teaching children