

# Fiona Cutler

📞 (435)557-6107 | 📩 fiona.r.cutler@outlook.com | 💬 www.linkedin.com/in/fionarydercutler  
🌐 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