**Tanner Barlow**

Mobile: 801-867-5383 | [tanner.barlow@outlook.com](mailto:tanner.barlow@outlook.com) | [www.tannerbarlow.com](http://www.tannerbarlow.com)

**LinkedIn**: <https://www.linkedin.com/in/tannerbarlow>

**GitHub**:<https://github.com/tbarlow12>

**Relevant Skills**

|  |  |  |  |
| --- | --- | --- | --- |
| C#/.NET | Java | Python | C++/C |
| SQL/MySQL | Matlab/Octave/R | Android | Node.js |

**Education**

|  |  |
| --- | --- |
| **Bachelor of Science in Computer Science, Dec 2017**  **University of Utah, Salt Lake City, Utah** | **3.75 GPA on 4.0 scale** |

**Relevant Courses:**

|  |  |  |  |
| --- | --- | --- | --- |
| Software Practice in C#/C++ | Database Systems | Linear Algebra | Computer Systems |
| Probability and Statistics | Algorithms | Models of Computation | Natural Language Processing |
| Information Extraction | Data Mining | Personal Informatics | Machine Learning |

**Awards and Scholarships**

|  |  |  |  |
| --- | --- | --- | --- |
| Honors - Full Scholarship | Everton Scholarship | Haglund Scholarship | Dean’s List (8 times) |

**Work Experience**

**Software Engineer Redmond, Washington**

**Microsoft: Commercial Software Engineering Jan 2018 – present**

* + We work with commercial partners to solve their most difficult technical problems

**Software Engineer Intern (2x) Redmond, Washington**

**Microsoft: Windows & Devices Group May 2017 – July 2017, May 2016 – July 2016**

* + Built out data gathering, cleaning, and clustering workflow to identify clusters of Windows devices
  + Created scoring heuristic to identify number of devices represented by each individual device
  + Automated process of converting meaningful feedback from Windows 10 customers to actionable bugs

**Software Development Intern Salt Lake City, Utah**

**FamilySearch May 2015 – August 2015**

* + Implemented Java application for bulk operations on database of all places in the world
  + Started planning, design and implementation of new REST API to replace Java application

**Favorite Projects**

* “Guide” – Virtual Tour Guide Application
  + Responsible for ASP.NET backend and SQL database as well as audio encoding and on-demand streaming
* “Learn It Your Way” – Machine Learning API
  + Flask API for users to upload datasets, train models and generate an endpoint for future prediction
* Real-Estate Value Prediction
  + Using crime data and area metrics, predict median value per square foot in zip code
* Personal Email Response-Time-Predicting Bot
  + Extracted features, used linear regression classifier to predict response time and send automated response

**Additional Leadership Experience**

* Director of Technology – HackTheU hackathon
* Microsoft Intern Ambassador & Student Partner
* President - Computer Programmers at the U of U
* Leadership positions (trainer, district leader, zone leader and assistant to president) as LDS missionary in Santiago, Chile, leading as many as 204 missionaries at one time