**Tanner Barlow**

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**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 | JavaScript |

**Education**

|  |  |
| --- | --- |
| **Bachelor of Science in Computer Science, Dec 2017**  **University of Utah, Salt Lake City, Utah** | **3.78 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 Intern Redmond, Washington**

**Microsoft May 2017 – July 2017**

* + 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

**Software Engineer Intern Redmond, Washington**

**Microsoft May 2016 – July 2016**

* + Automated process of converting feedback from Windows 10 customers to actionable bugs
  + Identified meaningful feedback using sentiment, actionability and other text analysis

**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
* Wikipedia Question Answering System
  + Use Info. Extraction techniques to find ‘factoids’
  + Classify question and respond with extracted answer
* NBA Positional Clustering
  + Perform k-means++ and hierarchical clustering on data to determine player’s “true” statistical position
* Personal Email Response-Time-Predicting Bot
  + Extracted features, used linear regression classifier to predict response time and send automated response

**Additional Leadership Experience**

* Microsoft Intern Ambassador
* Microsoft Student Partner
* Director of Technology – HackTheU hackathon
* President - Computer Programmers at the U of U
* Counselor - Especially for Youth (EFY) program
* 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