TANNER BARLOW

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RELEVANT SKILLS

C#/.NET	Java	Python	C++/C
SQL/MySQL	Matlab/Octave/R	NLP/Info Extraction	Machine Learning
Git	Azure	Big Data	HTML/CSS/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, May 2017 – July 2017 (current)**
  Microsoft, WDG DLUX, Redmond, Washington
    - o Working on creating a unified, documented analytics platform for global Windows telemetry data
    - o Using telemetry data and machine learning technologies, identify Windows Insiders whose device configuration and activity is most representative of users in the retail population for each locale

- **Software Engineer Intern, May 2016 – July 2016**
  Microsoft, WDG Localization, Redmond, Washington
    - o Automated process of converting feedback from Windows 10 international customers to actionable bugs
    - o Used NLP technologies to identify meaningful feedbacks (>10 M records) and group by semantic similarity
    - o Set up automated cloud-hosted pipeline to run process automatically

- **Software Development Intern, May 2015 – August 2015**
  FamilySearch, Salt Lake City, Utah
    - o Developed internal tools for team of historical geographical researchers
    - o Implemented Java application for bulk operations on database of all "places" in the world (> 7 M records)
    - o Starting planning, design and implementation of new REST API web service to replace Java application

FAVORITE PROJECTS

- "Guide" – Virtual Tour Guide Application
    - o Responsible for ASP.NET backend and SQL database as well as audio encoding and on-demand streaming
    - o Assisting with development of Android and iOS app
- Wikipedia Question Answering System
    - o Use Info. Extraction techniques to find 'factoids'
    - o Classify question and respond with extracted answer
    - o 31.2% accuracy on blind test set
- NBA Positional Clustering
    - o Pull and clean NBA statistics from public API
    - o Perform k-means++ and hierarchical clustering on data to determine player's "true" statistical position
- Personal Email Response-Time-Predicting Bot
    - o Extracted features and used linear regression classifier to predict response time of personal email messages
    - o Created bot to send automated response with prediction

ADDITIONAL LEADERSHIP EXPERIENCE

- Microsoft Intern Ambassador
- Microsoft Student Partner
- Director of Technology - non-profit hackathon HackTheU
- President - Computer Programmers at the U of U
- Counselor - Especially for Youth (EFY) program
- Leadership positions (trainer, district leader, zone leader, assistant to the president) as LDS missionary in Santiago, Chile, leading as many as 204 missionaries at one time