

# TANNER BARLOW

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## RELEVANT SKILLS

C#/.NET	Java	C/C++	Python
Node.js	HTML/CSS	JavaScript	SQL/MySQL
JSP	VisualStudio	Eclipse	REST
Git/GitHub	Agile	Windows/Linux	Fluent in Spanish

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## 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:

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

### Awards and Scholarships

Honors at Entrance – Full ride

Dean's List (7 times)

Everton Memorial Scholarship

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## WORK EXPERIENCE

- **Software Engineer Intern, May 2016-August 2016**

**Microsoft, Redmond, Washington**

- Automated process of converting feedback from Windows 10 international customers to actionable bugs
- Collaborated with Data Science teams across Microsoft working on similar tasks
- Used NLP technologies to identify meaningful feedbacks (>10 M records) and group by semantic similarity
- Set up automated cloud-hosted pipeline to run process automatically

- **Microsoft Intern Ambassador and Student Partner, January 2016-Present**

**Microsoft, Salt Lake City, Utah**

- Resume, interview and career guidance related to Microsoft for university students
- Coordination and instruction of technical workshops for Microsoft web and machine learning technologies
- Managed social media outreach and budget for workshops and special events
- Hosted Hour of Code workshops about the basics of programming with over 80 high school students

- **Software Development Intern, May 2015-August 2015**

**FamilySearch, Salt Lake City, Utah**

- Developed internal tools for team of historical geographical researchers
- Implemented Java application for bulk operations on database of all “places” in the world (> 7 M records)
- Starting the planning and design process for new REST API web service to replace Java application

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## FAVORITE PROJECTS

- Wikipedia Question Answering System (Python)
  - Get Wikipedia articles with REST API request
  - Use Info. Extraction techniques to find ‘factoids’
  - Understand user’s question and respond with factoid
- “Hackathon Management API” (C#)
  - API hosted on Azure cloud platform
  - Endpoints for checking-in participants, renting out hardware, organize teams and manage hackathon
- Coreference Resolver (Java)
  - Train machine learning classifier for referred phrases
  - Use external libraries to identify new noun phrases
  - Identify correct noun phrase referred to by anaphora
- “PomoSphero” timing app for Sphero 2.0 (C#)
  - Connect to Sphero 2.0 robot via Bluetooth
  - Use asynchronous timers to gradually fade color of robot from start to finish, shaking robot when done

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## ADDITIONAL LEADERSHIP EXPERIENCE

- Executive Board member and Director of Technology for non-profit HackTheU
- President, Computer Programmers at the University of Utah (CPU of U)
- Several leadership positions (trainer, district leader, zone leader, assistant to the president) as a missionary for the LDS church in Santiago, Chile, leading as many as 204 missionaries at one time
- Manager at LifeCentre Athletic Club
- Counselor for Especially for Youth Program
- Varsity Letter and 3-year co-captain of Jordan High Basketball Team, Senior Class Vice President