Tanner Barlow

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KEY SKILLS

Python, C#, Java, C++, Node.js, TypeScript, SQL, Azure, Machine Learning, NLP, Apache Spark, Flask

WORK EXPERIENCE

Microsoft, **Software Engineer,** Jan 2018 - Present
Redmond, WA

- Added Azure operations, unit tests and documentation to "Cloud Custodian" open-source Python project, including real-time metric filters, scheduled operations, and multi-subscription support
- Added support for message encryption to open-source Java SDK for Azure KeyVault
- Collaborated with Microsoft partners to deliver custom software that unblocked technical obstacles

Microsoft, **Software Engineer Intern,** May 2016 – Aug 2017
Redmond, WA

- Designed and implemented big data pipeline and k-means clustering analysis of Windows telemetry with scoring function to approximate the representation factor of each device
- Delivered C# CLI tool to automate process of identifying actionable feedback from Windows users

FamilySearch, **Software Developer Intern,** May 2015 – Aug 2015
Salt Lake City, UT

- Enhanced and maintained Java CLI tool for running bulk operations on database of historical places
- Designed and created GUI to run on top of existing Java tool for users that struggled using the CLI
- Designed and began implementation for Java REST API to replace desktop application

OTHER EXPERIENCE

- Designed and developed backend for virtual tour-guide application using ASP.NET web API, SQL database, Azure blob storage, and Azure Media Services
- Many ML/NLP projects (real-estate value, e-mail response time, question-answering, etc.)
- Co-Founder and Director of Technology for HackTheU (University of Utah official hackathon)
- Founder and President of Computer Programmers at the U of U (CPU of U)
- Microsoft Intern Ambassador (Aug 2016 – July 2017)
- Microsoft Student Partner (Jan 2016 – July 2017)
- Trainer, district leader, zone leader and assistant to president as LDS missionary

EDUCATION

Bachelor of Science: Computer Science
University of Utah, College of Engineering, Salt Lake City, UT
Cumulative GPA: 3.75/4.00

Awards: Honors at Entrance Scholarship, Everton Scholarship, Haglund Scholarship, 8-time Dean's list