Tanner Barlow

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http://tannerbarlow.com/

KEY SKILLS

Python, Java, C#, C++, ML, NLP, Node, TypeScript, React/Redux, SQL, Azure, AWS, Serverless, Spark

WORK EXPERIENCE

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

*Redmond, WA*

* Collaborated on design and implementation of serverless workflow for monitoring cloud resources
* 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
* Developed voice-driven Android application for hands-free control of stationary bicycle
* With one other engineer, added support for message encryption to Java SDK for Azure KeyVault

*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

* Created Flask API to train, store and predict with ML models from uploaded user datasets
* Designed and implemented policy engine for automated management of Kanban-style task boards
* Sole developer on backend services for audio tour-guide mobile application, including functionality for content creation, encoding and delivery via streaming or progressive download
* 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)
* Participant at PyCon dev sprints 2018, registered for PyCon 2019
* Founder and President of Computer Programmers at the U of U (CPU of U)
* Microsoft Intern Ambassador (Aug 2016 – July 2017) & Student Partner (Jan 2016 – July 2017)

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