Garrett Lahmann

Issaquah, WA 98027
📞 360.556.1944
✉ lahmanng@gmail.com
🌐 glahmann
in garrett-lahmann

Skills

Proficient	C#, Python, Spark, Java, Git, SQL, U-SQL
Sufficient	Azure, AWS, C, Databricks, Django, Docker, Golang, HTML, Javascript, Jenkins, PowerShell
Misc.	Bash/Zsh, Eclipse, Emacs, Jira, Jupyter, Power BI, Rally, Unix/Linux

Education

June 2018 — **Bachelor of Science in Computer Science and Systems**,
University of Washington, Tacoma, *GPA: 3.88*.

June 2013 — **Bachelor of Arts in East Asian Studies and Chinese Language**,
Western Washington University, Bellingham.

Honors

March 2017 — **3rd place**, *T-Mobile Big Data Hackathon*, Bellevue.
Team Hikeaway: a hike recommendation app. *Contribution*: Wrote backend code for database interaction and algorithm controlling user/hike difficulty levels.

October 2016 — **2nd place**, *T-Mobile IoT Hackathon*, Seattle.
Team BabyBand: a wearable IoT device to help monitor the well-being of your young child. *Contribution*: worked with team using agile development techniques, implemented sensors using Javascript and Node.js, setup bluetooth on the band for interaction with mobile devices.

June 2016 — **Best User Design**, *Vive Jam Educational VR Hackathon*, Seattle.
VR Fire Drill: a safety simulation that teaches kids how to react in a realistic classroom fire situation. *Contribution*: implemented audio features using Unity, tested program for bugs and usability.

June 2015 — **Best Overall**, *CodeDay*, Auburn.
TravelTag: a travel journal application to keep track of memorable moments. *Contribution*: built interactive map using HTML and CSS, worked with teammates to set project direction, organized flow of website.

Projects

C#, Python, Spark, SQL, Docker — **Container Memory Allocation Discrepancy Research**, *Academic*.
An investigation of container resource utilization trends on a cloud-based container deployment platform. Findings presented at 2018 IEEE Workshop on Containers.

Python, MySQL, Django — **Hikeaway**, *Team*.
A hike recommendation app that uses databases and AI to find nearby hikes that match most closely to users' skill levels, built with a robust backend that can be integrated into any kind of application.

Java — **Storefront Bid Estimator**, *Personal*.
A tool to keep track of bids and minimize losses with a recursive algorithm that optimizes material usage. Simplifies the process of bidding jobs for commercial glass industry professionals.

Java — **Tetris**, *Personal*.
A GUI based Tetris game built using model view controller and observer design patterns.

Professional Experience

2018–Present — **Software Engineer**, *T-Mobile*, Bellevue, WA.
Build cloud based analytics solutions using Python, Spark, GoLang, and Docker. Analyze utilization and billing data to make efficiency improvement suggestions to app teams.

2017–2018 — **Cloud Development Intern**, *T-Mobile*, Bellevue, WA.
Automate AWS cost and usage analysis using U-SQL, C#, and Azure resources. Produce reports in Power BI. Build ARM templates to provision Azure resource groups. Create APIs for easier access to billing data. Architect a data flow pipeline from Docker containers to a SQLServer database using Spark and Azure resources.

2016–2018	**Volunteer Coding Instructor**, *Coder Dojo*, Bellevue, WA.
	Educate youth in fundamental coding logic and object oriented programming best practices using Python, Java, and Scratch.
2015–2017	**Commercial Framer**, *Eubanks Glass*, Centralia, WA.
	Built a Java tool to improve accuracy of bidding process and streamline design of commercial window installations.

Coursework and Extracurriculars

Classes	Algorithms, Cloud Development, Data Structures, Discrete Math, Operating Systems, Software Development
Clubs	HuSCII Coding - Officer 2016-2018
Dean's List	2016,2017,2018