JONAH FRITZ

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EDUCATION

Rochester Institute of Technology   Rochester, NY
BS Major: Software Engineering Minor: Philosophy *GPA: 3.5*   Aug 2017 - May 2022

PROFESSIONAL EXPERIENCE

Microsoft   Redmond, WA
Software Development Engineer Intern   May 2021 - Aug 2021

- Worked on E360 team

Amazon   Seattle, WA
Software Development Engineer Intern - Alexa AI   Jan 2021 - Apr 2021

- Proposed, designed, and implemented Java CLI to facilitate self-service customer experience for adding personalization features to Alexa
- Updated tier 1 service vital to Alexa speech understanding workflow to use S3 for fetching configuration information
- Used S3, DynamoDb, and AWS Lambda functions to greatly reduce developer intervention required when fulfilling customer requests for adding new personalization slot configurations to Alexa

IBM   Poughkeepsie, NY
Software Developer Intern - Z Systems Compiler Performance Team   Jun 2020 - Aug 2020

- Automated process for comparing performance of Java compilers on different configurations of z/OS mainframes
- Created automated process for configuring mainframes and running C++ benchmarks using Python and shell scripting to tie together Jenkins, Ansible, and Slack API

MarginEdge   Fairfax, VA
Software Engineer Intern   May 2019 - Jun 2020

- Substantially contributed to every layer of a Spring Boot webapp using Java, JavaScript, and SQL
- Implemented new features including integrations with external point of sale and accounting systems and improvements to electronic invoice processing
- Streamlined and automated new user onboarding process, saving account managers many hours per week
- Optimized existing code and queries to improve webapp performance
- Designed and created internal tool using Python to improve developer communication within Mattermost and JIRA

SKILLS AND TOOLS

Languages and Databases:	Java, Python, JavaScript, HTML, SQL, MongoDB
Frameworks, Libraries, and Tools:	Spring Boot, AngularJS, React, Flask, Git, Linux, Guice
Cloud Platforms:	Heroku, AWS, IBM Cloud

PROJECTS

Insomniax *Python, Javascript, Flask, React, MongoDB, Heroku*   https://www.insomniax.app
Webapp funded by the Department of Veterans Affairs as an Innovation App following hackathon win.
Compares a user's standardized burnout score with user's sleep based on data from wearable device.
Developed in cooperation with a VA physician in order to find trends in burnout and sleep quality.

EXTRACURRICULAR ACTIVITIES

Computer Science House
An organization filled with students passionate about computing. Every year, each active member must submit a major computing project for approval. Members collaborate, share knowledge, and grow their skills.

MIT Hacking Medicine
Won the Department of Veterans Affairs award for concept using wearables and machine learning to improve sleep.