Aaron Gould

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EDUCATION

Macalester College, Saint Paul, MN B.A. December 2021
Majors: Computer Science, Applied Mathematics and Statistics GPA: 3.91
Honors: Macalester Dean's List, DeWitt Wallace Distinguished Scholarship
Relevant Classes: Software Development and Design, Signal Processing, Computational Linear Algebra, Algorithms, Computer Systems and Organization, Data Structures

SKILLS

- Software Development: Python, Java, Scala, Spark, Impala, Hadoop, Spring Boot, Angular, Kafka, C#, C++, React, Jenkins, jQuery, TypeScript, Node.js, Selenium, HTMX, Google Cloud
- Operating Systems: Linux, Bash, File Systems, Multi-Threaded Development, Encryption
- Statistical Modeling: R Studio, NumPy, SciPy, pandas, SQL, D3
- Machine Learning: Tensorflow, OpenAI Gym, ChatGPT, Stable Baselines, PyOD, Sklearn
- Version Control: Git, Github, Bitbucket, Jira, Agile

RELATED EXPERIENCE

Logisolve, Minneapolis, MN October 2023 - Current
Software Engineer
- Created a HIPAA compliant administrator portal for admins to create, update and link users to an existing legacy database.
- Implemented front and backends of projects with fast turnarounds to meet deadlines.
- Protected sensitive health information using tools like Auth0 and Windows Authentication.

National Park Service, Denali National Park, AK May 2023 - September 2023
Software Engineer, Natural Sounds Technician
- Used ML and Signal Processing techniques to analyze natural sound data in the park.
- Installed and maintained audio recording stations in the Denali National Park backcountry.
- Created a mobile app for Park Rangers to report bear interactions and upload to a database.

Surescripts, Minneapolis, MN June - August 2021 (internship), February 2022 - April 2023
Associate Software Engineer
- Engineered and tested Spark jobs to detect anomalies in prescription data.
- Created solutions to send irregular prescribing habits to investigators with Kafka and XSOAR.
- Communicated with all types of healthcare positions to understand and analyze vast amounts of healthcare data.
- Developed an interactive dashboard to view and analyze prescription product data.
- Created an API with Java Spring Boot to query data from Hadoop tables and relay to an Angular web page that was integrated with other internal products.

Personal Projects
- Created an AI personal assistant for my portfolio website.
- Programmed a signal equalizer (EQ) for musical use in Digital Audio Workstations.
- Implemented an ASCII graphics renderer.
- Published an interactive chord finding and song writing web tool for musicians.
- Created and shared video games and game modifications using tools like Unity and Forge.
- Used microcontrollers like Arduino to create physically interactive software.