Mitchell Mercer

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EDUCATION

California State University Northridge   Northridge, CA
Bachelor of Science in Computer Science   *August 2022 – Dec 2023*

Los Angeles Pierce College   Woodland Hills, CA
Associate's in Japanese   *Jan 2017 – August 2022*

EXPERIENCE

Student Engineer   October 2023 – Present
Los Angeles Dept. of Sanitation   *Playa Del Rey, CA*
- Evaluated event logs and metrics of Distributed Control Systems
- Assisted in reducing nuisance alarms by 10 percent
- Created training materials for new Student Engineers

Security Guard   Jun. 2023 – October 2023
Allied Universal Security   *Simi Valley, CA*
- Oversaw daily monitoring and patrolled buildings, grounds, and work sites
- Responded quickly to incidents and calmly resolved active crises
- Successfully resolved 3 critical incidents

Server   May 2021 – Apr. 2023
Nordstrom   *Canoga Park, CA*
- Achieved 10,000 dollar profit weekly
- Swiftly and effectively took detailed and complex food orders with accuracy and mindfulness of client needs
- Cultivated warm relationships with regular customers

PROJECTS

The Cruicble | *Python, MongoDB, FFmpeg*   Sept. 2023 - Dec. 2023
- The Crucible is a python application that takes a video provided at runtime, and removes frames of the video as requested by "editors" for further Post-Processing.
- Video processed with FFmpeg.
- Final output uploaded via API to 3rd party via API, or created local excel file depending on runtime arguments
- Utilized MongoDB to retrieve "work-order" and select frames to be retrieved

Non Amazona | *MySQL, React, Git*   Sept. 2023 - Dec. 2023
- Created a MySQL database resistant to SQL Injection, and Bot attack/Spoofing
- Developed a website in React, run locally, to display the items in the database, purchase items, leave reviews, etc
- Implemented a control pannel in front end to test various attacks and create and remove items

EarWorm | *Firebase, React, Git*   Aug. 2022 – May 2023
- Earworm is an application akin to Tinder, that matches users based on their music preferences
- Matches users based on music taste
- Utilizes Spotify's API to retrieve users Spotify listening data and assign each a music taste
- Deployed app to the internet via Firebase

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), JavaScript, HTML/CSS, R
Frameworks: React, Node.js, Flask, JUnit
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Gnu C Compiler/Debugger (GCC/GDB), IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib