Alex Hunt

www.alex-eugene-hunt.rocks

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Experience

Software Engineer Intern   **Feb 2024 - Dec 2024**
CymSTAR LLC - Broken Arrow, OK

- Needed a consistent environment to deploy **Python** and **C++** software across multiple teams.
- Designed **Docker** and **Podman** containers to streamline the deployment process, reducing 70% of deployment overhead by eliminating configuration conflicts.
- Existing **CI/CD** workflows were slow and prone to manual errors.
- Addressed existing CI/CD bugs and developed **GitLab Pipelines** to improve automation, decreasing build times by 80% and significantly enhanced code reliability.
- Configured and managed **GitLab Runners** to enable parallel and efficient builds.
- Shortened feedback loops by 50%, allowing quicker iteration and continuous integration.
- Implemented **integration and unit testing** frameworks in Python and C++ to ensure reliability in large codebases.
- Created an automatic **Redmine** ticket updater using **GitLab's** merge request **API** using **C#** and **dotnet**.

Education

Master of Information and Data Science   **Jan 2025 - (Dec 2025)**
University of California, Berkeley - Berkeley, CA

Master of Computer Science   **Jan 2024 - Dec 2024**
University of Oklahoma - Norman, OK
3.9 / 4.0 GPA

Bachelor of Computer Science   **Oct 2020 - Dec 2023**
University of Oklahoma - Norman, OK
3.83 / 4.0 GPA

Projects

Full-Stack (MERN) Personal Website - www.alex-eugene-hunt.rocks   **Jan 2025 - Present**
https://github.com/alex-eugene-hunt/MERN-FullStack-Website

- Personal website created from scratch using **Mongo**, **Express**, **React**, and **Node.js**.
- **Fine-tuned local LLM** to answer personal questions about myself that users may want to know.
- Implemented **nodemailer** to create an email sending form to allow users to easily send me an email.
- Utilized **MongoDB** to include a playable Asteroids game that keeps a global leaderboard.

Meteorite Landings Data Mining Application - University of Oklahoma   **Aug 2024 - Dec 2024**
https://github.com/alex-eugene-hunt/SoftwareProject-College-OU-CS5593

- Developed a **Python**-based data mining application with advanced **machine learning algorithms**.
- Enabled accurate **classification**, discovering geographical hotspots for further scientific research.
- Needed to visualize and interpret meteorite distribution for non-technical stakeholders.
- Created clustering models leveraging coordinates and built a **GUI** for easy data exploration.

Technical Skills

- Python, Machine Learning, Full-Stack, C++, Java, OOP, R, Data Science, Linear Algebra, CI/CD