

Kevin Kraatz

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Secret Clearance (Inactive)

Summary

Highly versatile and results-oriented computer science graduate seeking entry level role in software development.

Education

Oregon State University – Bachelor of Science in Computer Science

Mar 2023

The University of Texas at Arlington – Bachelor of Science in Geology

Dec 2018

Skills

Languages: Python, C, C++, JavaScript, SQL, HTML, CSS, Dart

Technologies: Git, Jira, React, Node.js, Next.js, Tailwind CSS, MySQL, MongoDB, Flask, Flutter, ArcGIS

Methodologies: Agile, REST APIs, OOP, TDD, CI/CD

Projects

Portfolio Website

- Developed a personal portfolio web application with Next.js and Tailwind CSS, deployed via AWS Lightsail, featuring engaging scenes and animations built with Three.js and Framer Motion, showcasing my background and skills
- Improved accessibility by implementing a dynamic theme switching toggle and responsive design, achieving cross-platform functionality

AI/ML Trading Bot

- Engineered a sophisticated machine learning model utilizing Python and PyTorch, focusing on the application of deep reinforcement learning techniques for predictive analysis and autonomous trading of financial securities
- Built data processing pipelines with exchange API integration, using pandas and NumPy for data manipulation and Matplotlib for metric visualization, boosting the platform's efficiency in analyzing complex market data

Unix Shell

- Developed a custom command-line shell in C, implementing core functionalities such as command execution, signal handling, and input parsing, enhancing understanding of operating system interfaces
- Integrated error handling mechanisms and input validation techniques to ensure reliability, minimizing runtime errors and providing a stable and secure execution environment for command execution and system interaction

Library Database Manager

- Deployed a single-page application created with Flask, JavaScript, HTML, and CSS with a user-friendly interface connected to a MySQL database for managing library inventory and to handle media and supplier records
- Created efficient SQL queries for data retrieval and manipulation, ensuring optimized performance for tasks such as searching, adding, updating, and deleting records within the library system

Sustainability Tracker

- Developed a food waste tracking Android application using Flutter and Dart to help users log and track food waste, integrating with Google Firebase and Cloud Firestore for backend services including data storage and analytics
- Designed and implemented features such as capturing and uploading photos of wasted food, logging waste details such as quantity and location, and viewing detailed lists and statistics of logged waste entries

Experience

Environmental Consultant, Stormcon LLC – Plano, TX

Apr 2019 – Apr 2021

Project Engineer, Kinley Construction Group Ltd. – Arlington, TX

Dec 2018 – Apr 2019

Infantry Team Leader, Texas Army National Guard – Grand Prairie, TX

Sept 2012 – Sept 2018

Technician, Vandergriff Acura – Arlington, TX

Dec 2013 – July 2016

Awards

Service: Texas Medal of Merit, Humanitarian Service Medal, Army Achievement Medal

Academic: Oregon State University Scholastic Honor Roll