Robert Godfrey

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EDUCATION

University of Hawai'i at Mānoa   Jan. 2022 – Present

Bachelor of Science in Computer Science
- GPA: 3.96/4.0, expected graduation May 2024
- Relevant Coursework: Software Engineering, Algorithms, Program Structure, Database Systems, Machine-Level and Systems Programming, Operating Systems, Programming Language Theory, Linear Algebra
- Clubs and Activities: Programming and Algorithms Club (Board Member), Association for Computing Machinery at Manoa (Member)

SKILLS

Languages: Java, Python, JavaScript, Swift, C/C++, SQL, HTML/CSS
Frameworks: Node, Express, React, Bootstrap, Flask
Developer Tools: Git/GitHub, Docker, IntelliJ IDEA, Xcode, Visual Studio
Misc: Agile Project Management, Windows and Linux administration, Korean language, Active TS/SCI

EXPERIENCE

Data Engineer   Jan. 2023 – Present

Deep-Sea Animal Research Center at the University of Hawai'i
- Create systems to analyze and process large amounts of video annotation data and sensor data from remotely operated submarine vehicles
- Collaborate with a team of seasoned software developers and implement Agile project management to deliver timely, high-quality software solutions
- Streamline the workflow of deep-sea researchers and improve data accuracy by automating and scripting repetitive, error-prone tasks

Special Forces Medical Sergeant, Infantryman   Sep. 2011 – Sep. 2021

United States Army
- Responsible for the health and welfare of military, civilian, and foreign personnel in austere and remote locations
- Trained and advised both U.S. and partner forces in emergency medical care, triage, evacuation, and medical diagnosis
- Served in a variety of roles and represented the U.S. in a number of locations around the world with a concentration in Asia

PROJECTS

Autonomous Electric Vehicle System | *Python, Flask, JavaScript, Node, Express*   2023 – Present
- Collaborated with a team of mechanical engineering students to create an autonomous electric vehicle system (AEVS) designed to deliver packages around the UH Manoa campus
- Implemented features on a NVIDIA Jetson including live-streamed video, remote controls via the internet, and object detection/avoidance
- Developed a user website and a control center to keep track of delivery orders, get location/telemetry data from the AEVS, and remotely control the AEVS

STEPN Sidekick | *Java, SwiftUI*   2022 – Present
- Companion mobile application for the move-to-earn game STEPN, developed natively for both Android and iOS
- Includes features such as an audible speedometer, real-time price information, and an NFT optimization tool based on aggregated community data
- Collaborated with community members to add new features and improve accuracy of calculations
- Over 15,000 downloads with an average rating of 5.0/5.0

Department of Education Legislative Tracker | *JavaScript, MongoDB, React, Meteor*   2022
- Web application designed to replace the State of Hawai'i Department of Education's current legislative tracking system
- Created for the Hawai'i Annual Code Challenge 2022, where it came in 2nd place out of 44 teams
- Allows DOE employees to seamlessly track and save bills, edit and approve testimonies, and keep track of upcoming hearings through an integrated calendar