Robert Godfrey

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EDUCATION

University of Hawai'i at Mānoa <div align="right">Jan. 2022 – Present</div>

Bachelor of Science in Computer Science – Expected Graduation: May 2024
- GPA: 3.93/4.0
- Clubs and Activities: Programming and Algorithms Club (Board Member), Association for Computing Machinery at Manoa (Member)

EXPERIENCE

Software Developer <div align="right">Jan. 2023 – Present</div>

Deep-Sea Animal Research Center at the University of Hawai'i
- Created systems using Python to analyze and process large amounts of video annotation data/sensor data from remotely operated submarine vehicles and format data for insertion into national databases
- Built, deployed, and maintained Docker-containerized Flask application that allows marine biologists from around the world to view and provide feedback on taxonomic identification of deep-sea creatures
- Worked alongside team of professional software developers and implemented Agile project management to track progress and provide updates

Software Engineer Fellow <div align="right">May 2023 – Aug. 2023</div>

National Security Innovation Network
- Developed a full stack web application (MongoDB, Node.js, Express, React) to assist U.S. Army planners track personnel requirements and assignments
- Worked directly with servicemembers to determine product requirements, implment features, and get feedback
- Collaborated with a multidisciplinary team of NSIN fellows to improve application security and user experience

Special Forces Medical Sergeant/Infantryman <div align="right">Sep. 2011 – Sep. 2021</div>

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

PROJECTS

Autonomous Electric Vehicle System | *Python, Flask, JavaScript, Node.js, Express* <div align="right">2023 – Present</div>
- 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, control center, and RESTful APIs to keep track of delivery orders, get location/telemetry data from the AEVS, and remotely control the AEVS

STEPN Sidekick | *Java, Swift* <div align="right">2022 – Present</div>
- Created a companion mobile application for the move-to-earn game STEPN, developed natively for both Android and iOS
- Integrated features such as an audible speedometer with voice alerts, real-time cryptocurrency and in-game item price information, and an NFT optimization tool based on aggregated community data
- Collaborated with community members to get feedback, add new features, and improve accuracy of calculations
- Over 15,000 downloads with an average rating of 5.0/5.0

SKILLS

Languages: Java, Python, JavaScript, Swift, C/C++, SQL
Frameworks/Libraries: Node.js, Express, Flask, React, Tailwind CSS, Bootstrap
Tools/Technologies: Git/GitHub, Docker, MongoDB, SwiftUI, Adobe Photoshop, Adobe Illustrator, Figma
Misc: Agile Project Management, Windows and Unix Administration, Korean Language, Active TS/SCI