Robert Godfrey

✉ rob_godfrey@outlook.com | **in** linkedin.com/in/bob-godfrey | ⭘ github.com/robertgodfrey

EDUCATION

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

Bachelor of Science in Computer Science – Expected Graduation: May 2024

- GPA: 3.93/4.0
- Clubs and Activities: Programming and Algorithms Club (Board Member), Game Development Club (Member), Association for Computing Machinery at Manoa (Member)

EXPERIENCE

Software Developer Jan. 2023 – Present

Deep-Sea Animal Research Center at the University of Hawai'i

- Built, deployed, and maintained a system that allows marine biologists from around the world to view and provide feedback on taxonomic identification of deep-sea creatures (Docker, Flask, jQuery)
- Saved researchers 40+ hours per expedition of manual quality assurance/quality control checks by creating a Flask application that integrates automatic checking and a streamlined interface for PostgreSQL database edits
- Created a number of systems to analyze and process large amounts of video annotation data/sensor data from remotely operated submarine vehicles and format annotation data for insertion into national databases

Software Engineer Fellow May 2023 – Aug. 2023

National Security Innovation Network

- Saved U.S. Army planners 35+ hours per week by developing a full stack web application (Node.js, Express, React, MongoDB) that assists with tracking personnel/unit requirements and assignments
- Worked directly with Army leaders to determine product requirements and implement new features
- Collaborated with a multidisciplinary team of NSIN fellows to improve application security and user experience

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

PROJECTS

Autonomous Electric Vehicle System | *Python, Flask, JavaScript, Node.js, Express* 2023 – Present

- Collaborated with a team of mechanical engineering students to design software for an autonomous electric vehicle (AEV) that delivers packages around the UH Manoa campus
- Implemented features on a NVIDIA Jetson including live-streamed video, remote commands over the internet, and object detection/avoidance
- Developed a user website, control center, and built RESTful APIs to keep track of delivery orders and communicate with and control the AEV

STEPN Sidekick | *Java, Swift* 2022 – Present

- Developed a companion application for the move-to-earn game STEPN 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
- Over 15,000 downloads with an average rating of 4.9/5.0

SKILLS

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