

Robert Godfrey

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EDUCATION

University of Hawai'i at Mānoa

Jan. 2022 – Present

Bachelor of Science in Computer Science, Bachelor of Arts in Korean

- 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)

EXPERIENCE

Python Developer

Jan. 2023 – Present

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

- Create tools to analyze and process large amounts of video annotation data and sensor data from remotely operated submarine vehicles
- Implement Agile methodology with a team of dedicated professional software developers
- Improve the workflow of deep-sea researchers by automating and scripting repetitive 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 deployed to several locations around the world with a concentration in Southeast Asia

PROJECTS

Department of Education Legislative Tracker | JavaScript, React, MongoDB

2022

- Designed to replace the 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
- Integrates a custom-built scraper to ensure legislative information is always up to date

STEPN Sidekick | Java, SwiftUI

2022

- Developed a companion application for the move-to-earn game STEPN 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 10,000 downloads with an average rating of 4.9/5.0

MFFJM | Java

2020

- Developed an Android application to assist military free-fall jumpmasters (MFFJM) plan and execute MFF operations
- Includes precise jump calculations in accordance with established regulations, a Military CYPRES calculator, an altimeter calculator, and a copy of MFF sustained airborne training

SKILLS

Languages: Java, JavaScript, Swift, Python, C/C++, SQL, HTML/CSS, x86 Assembly

Frameworks: React, Meteor.js

Developer Tools: Git/GitHub, Docker, Xcode, IntelliJ/Android Studio, Eclipse, Visual Studio

Misc: Windows and Linux administration, CompTIA Network+, Korean language, Active TS/SCI