

Luke Anderson

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EDUCATION

University of Central Florida

Orlando, FL

Bachelor of Science in Honors Computer Engineering, Minor in Physics

Aug. 2022 – May 2026

St. Petersburg College

St. Petersburg, FL

Associate's of Liberal Arts

Aug. 2020 – May 2022

EXPERIENCE

Software Engineer

Jul. 2024 – Present

Necival LLC.

Remote

- Use GoLang to build financial trading systems
- Aid in developing and deploying various software projects

Software Engineer Intern

Jan. 2024 – Jul. 2024, Jan. 2025 – Present

Airmeez Inc.

Remote

- Used GoLang to design, build, and test Restful API's that transfers data to and from Airmeez main server
- Developed new APIs that integrate the main server with VoIP and other telecommunication devices
- Using C++ to procure communication with telecom servers and SoundHound AI

Undergraduate Research Assistant

Aug. 2023 – Sep. 2024

University of Central Florida

Orlando, FL

- Used a Quantum Computing specific Python library (Qiskit) to modify a quantum circuit and then used TensorFlow to optimize the circuit for error reduction
- Implementing various Python skills to simplify and add fields to the input and output
- Learned how to use GitHub to collaborate with my Professor

TECHNICAL SKILLS

Languages: GoLang, Python, C/C++, Java, HTML, CSS, JavaScript, PHP, MIPS Assembly, Basics of: SQL

Developer Tools: GitHub, Bitbucket, Ubuntu, Google CloudShell and PubSub, AWS Lightsail, Excel, KiCad, Fusion 360

Libraries: Qiskit, SipGo, Basics of: TensorFlow, OpenCV, TabulaPy, Matplotlib

PROJECTS

SIP Message Waiting Indicator (MWI) | *GoLang - SipGo, net/http, google pubsub/storage* Jan. 2023 – Apr. 2024

- * Developed a Restful API that converted SIP packets to JSON format
- * Sends data to Google Cloud Storage and Google Pub/Sub then on to the main Call Completion Engine
- * If subscribed user had waiting message(s), the main server contacts my API which then notifies the SIP user's device

Online Planner | *LAMP Stack*

May. 2024 - Jul. 2024

- * Designed and built the back-end for a web based planner application in this group project
- * Created a user login system and CRUD operations for the to-do list in the planner
- * Created a basic front-end for testing purposes
- * Learned how to deploy and update a LAMP stack on AWS Lightsail

RELEVANT COURSEWORK

Computer Science: Introduction to C, Computer Science 1 and 2 (DSA), Introduction to Object Oriented Programming, Introduction to Discrete Structures, Quantum Information Sciences, Operating Systems, Processes of Object Oriented Software Development(IP)

Computer/Electrical Engineering: Linear Circuits 1 and 2, Digital Systems, Computer Organization, Computer Architecture, Electronics 1, Computer Communication Networks, Embedded Systems(IP), Junior Design(IP)