

Carl Kakisis

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PROFESSIONAL EXPERIENCE

Software Engineer Intern

May 2023 - May 2024

General Dynamics - Applied Physical Sciences: Groton, CT

- Designed and developed a submarine user interface using an Ubuntu virtual machine, C++, and QML, reducing original response time by 30% and increasing user satisfaction by 20%
- Created an interface for an unmanned submersible to log data in real-time with JavaScript, HTML, CSS, and Flask (later converted to Matlab), improving data collection efficiency by 40%
- Initiated and managed the production of a lab monitoring web app for live signal processing data using React, Python with Flask, and MariaDB, stored on GitLab. Controlled the project from inception to delivery, leading to a 35% improvement in monitoring accuracy
- Actively participated in team meetings and engaged with clients to gather requirements, leading to accurate project delivery and a 10% increase in client satisfaction while presenting project work to the client.

SKILLS

Languages: Javascript, Python, HTML, CSS, Typescript, C++, SQL, C#, Java | Swedish: CEFR C1/C2, Greek: CEFR B2

Developer Tools: Visual Studio Code, Microsoft Visual Studio, PyCharm, Android Studio, MySQL Workbench, Netlify

Technologies/Frameworks: React, React Native, Next.js, Node.js, RESTful APIs, Redux, Bootstrap, JQuery, Git/GitHub, MongoDB, Express, Linux, .Net, Flask, Ubuntu, Matlab

PROJECTS

Swedish Social Media and Radio App: <https://github.com/Messinias1/Svenska>

January 2024

- Developed a social media app to connect students of the Swedish language with a Swedish radio API for users to tune in to Swedish radio programs, follow members, make posts, accounts, edit accounts, comment and like posts
- Used MongoDB, Express, React, NodeJS (MERN stack) to enhance knowledge on modern web apps
- Integrated skills learned to apply knowledge to future team development projects as unrestrained, reliable team member

Allergy Tracker: <https://github.com/Messinias1/436Final/tree/master>

December 2023

- Owned and co-created a full-stack web application with a teammate to keep track of family members and their allergies
- Utilized Javascript, HTML, and CSS in the front-end with Node.js, express, and a fully operational SQL database to create, read, update, and delete family members or allergies from the app. All data is able to be mutated by a user on the web page

URI Video Game Development: <https://github.com/Messinias1/Zombie-Game>

December 2022

- Collaborated with team of ten to create concept, design, and program a video game that entered prototype stage
- Co-Led design and programming for the video game's graphical user interface (GUI)
- Integrated Python and Pygame for game development; using Pycharm to program/compile game with OOP principles

EDUCATION

B.A. Computer Science, University of Rhode Island | **GPA:** 3.5/4.0, Kingston, RI

January 2022 - May 2024

AS. Computer Science, Community College of Rhode Island | **GPA:** 3.8/4.0, Warwick, RI

September 2020 - December 2021

CCL. Computer Science, CareerDevs Computer Science Academy, Providence, RI

January 2019 - May 2020

Relevant Coursework: Computer Architecture, Database Management Systems, Object Oriented Programming, Algorithms and Data Structures, Social Issues in Computing, Full Stack Web Development, Software Engineering

LEADERSHIP EXPERIENCE AND EXTRACURRICULAR

Member

January 2022 - May 2024

Ram Hacks: University of Rhode Island, Kingston, RI

- Engaged in a computer science organization to enhance technical skills through workshops and hackathons. Facilitated discussions on advanced computer science topics with professors, leading to deeper understanding and application

OTHER WORK EXPERIENCE

Manager, Pawtucket House of Pizza: Pawtucket, RI

October 2016 - May 2023

- Train new staff in the areas of restaurant operations, customer service, menu offerings, and staff policies
- Developed customer service, critical thinking, problem-solving, communications, and time management skills
- Acquired skills to maintain composure under heavy workloads in a fast-paced environment under time constraints