

Romeo Capozziello

romeo.capozziello@gmail.com | [linkedin.com/in/romeo923](https://www.linkedin.com/in/romeo923) | romeoc.me

Professional Summary

Dedicated Embedded Software Engineer with hands-on experience in developing and improving vital systems for COLUMBIA ship control. Proficient in C++ and adept at quickly learning new skills and adapting to emerging technologies.

Education

University of Bridgeport | Bridgeport, CT

MS Computer Science & Math

May 2024

- ❖ 3.8 GPA
- ❖ Collaborated in building a functioning magnetic lock controllable via mobile app for senior project
- ❖ Vice President of Upsilon Pi Epsilon Honors Society

Skills

C++, Rust, Python, Java, Object-Oriented Programming (OOP), Cloud Computing, Git, CI/CD, Linux, Bash

Experience

General Dynamics Electric Boat | New London, CT

Embedded Software Engineer

August 2023 - Present

- ❖ Support software engineering efforts to design, develop, and test software for the COLUMBIA ship control system
- ❖ Design and integrate COLUMBIA ship control simulation GUI using Qt and C++
- ❖ Communicate project requirements and areas of improvement to the team
- ❖ Maintain and improve pipelines and other automation tools
- ❖ Made improvements to tools utilized by the test team resulting in ~75% productivity increase
- ❖ Active DoD Secret level security clearance

University of Bridgeport | Bridgeport, CT

Teaching Assistant for Computer Vision

August 2022 - May 2023

- ❖ Assisted students with understanding and completing projects and assignments in Computer Vision
- ❖ Facilitated comprehension of core concepts, improving student performance and engagement

STEM Tutor

August 2019 - May 2023

- ❖ Write and maintain Python code for Canvas CLI utilizing the Canvas LMS API
- ❖ Operate tutoring database to collect, file, and upload over 150 unique student IDs
- ❖ Collaborated on a website project to centralize tutoring documents, enhancing resource accessibility

Projects

Hackathon Project

- ❖ Led a team of 4 in developing a social media automation tool using ReactJS and TypeScript
- ❖ Created a platform leveraging ChatGPT and Twitter APIs to generate and schedule posts for companies/businesses
- ❖ Allowed users to customize post intent, tone, and audience

Facial Recognition

- ❖ Developed a facial recognition system in C# using PCA for image classification
- ❖ Achieved ~83% accuracy on the AT&T Face Dataset

Canvas CLI

- ❖ Implemented a command-line interface in Python for interacting with Canvas via its API
- ❖ Enabled users to upload, edit, and manage assignments and files efficiently