

BRENDAN COUGHLAN

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SKILLS

Languages: Python, Java, C++, PHP, C#, JavaScript, HTML, CSS

Frameworks & Tools: Git, GitHub, MySQL, Unity, Godot, FastAPI, OpenAI API

Platforms & OS: Windows, Linux, Unix

Core Competencies: Object-Oriented Design, Problem Solving, Analytical Thinking

PROFESSIONAL EXPERIENCE

Corvian Labs LLC | Founder & Independent Developer | Staten Island, NY

April 2024 - Present

- Provided administrative and IT support for a local union, including document organization and computer setup.
- Currently building and experimenting with a range of software projects under Corvian Labs LLC, including tools, web applications, games, and educational content.
- Manage all aspects of the business, from client communication to full-stack development and deployment.

Ports America | Security Officer | Brooklyn, NY

May 2024 - Present

- Verify passenger documentation and staff identification to ensure compliance with port security regulations.
- Conduct thorough screening of passengers and luggage using scanning equipment and manual inspection procedures to prevent unauthorized items from entering secure port areas.
- Maintained and monitored security systems, enhancing surveillance and access control measures.

EDUCATION

City University of New York, College of Staten Island | Staten Island, NY

B.S. in Science, Computer Science | GPA: 3.81/4.0

Fall 2025

Relevant Coursework: Robotic Exploration, Digital Systems Design, Machine Learning, Computer Organization, Data Structures, Discrete Structures and Algorithms, Database Fundamentals, Mobile Application Development

City University of New York, College of Staten Island | Staten Island, NY

M.S. in Science, Computer Science

Expected Spring 2027

PROJECTS

Interview Coach | Course Project

May 2025

- Developed a full-stack AI-powered interview practice app using **Next.js** for the frontend and **FastAPI** for the backend.
- Integrated the **OpenAI API** to generate dynamic, role-specific interview questions and simulate real mock interviews.
- Led backend development, including API routing, prompt engineering, and handling asynchronous data flow.
- Collaborated in a 3-person team using GitHub for version control, contributing to both technical features and project planning.

KotlinTrade | Course Project

May 2024

- Developed a stock tracking app in **Kotlin** using Jetpack Compose for the UI and Retrofit for API integration.

- Implemented features like watchlists, price alerts, and real-time search using external market data.
- Focused on responsive design and clean UX for mobile users, with smooth data updates and minimal latency.
- Managed version control with Git and documented the project on GitHub for open-source transparency.

AWARDS & PUBLICATIONS

- **Young Writers Award** – Recognized for excellence in creative writing, 2022
- **Short Story Publication** – “The Dead Can’t Laugh”, published in *Unsolved – American Mysteries*, 2022