

# John Photis

Boston, MA | 857-333-7870 | [johnphotis144@gmail.com](mailto:johnphotis144@gmail.com) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

## EDUCATION

### Suffolk University, B.S. 2023

Boston, MA

Computer Science (STEM)

- **Honors/Awards:** Dean's List, Dean's Scholarship, Samia Scholar
- **Relevant Coursework:** Object Oriented Programming, Data Structures and Algorithms, Calculus I, Calculus II, Computer Architecture, Operating Systems, Computer Networks, Database Systems, Data Science, Discrete Mathematics I, Discrete Mathematics II, Probability and Statistics

## WORK EXPERIENCE

### Freelance

Remote

Game/Software Developer | LUA, C#, .NET, WPF, XAML, Java, HTML, Javascript

June 2017-Present

- Developed and implemented over 30 custom scripts using LUA for game servers, enhancing gameplay mechanics, and creating immersive gameplay experiences.
- Increased player engagement by 70% through the introduction of new features and optimized scripts.
- Created and maintained server-side plugins such as WPF CAD systems made with C# XAML to enhance game features and facilitate community interactions, resulting in a 90% increase in player satisfaction and positive reviews.
- Collaborated closely with a development team of 3 to implement feedback, iterate on designs, and deliver high-quality game experiences. Completed projects within 99% of the estimated time, ensuring timely product releases.

### Hellenic World Production - Greek American Sports

Winthrop, MA

Software Development & Research Intern | HTML, CSS, CMS

May 2022-Aug 2022

- Conducted an in-depth study identifying user engagement drivers, finding that interactive content boosted on-site duration by 15%, while personalized sports updates enhanced user retention by 10%.
- Utilizing insights from the research, collaborated on the creation and deployment of a Greek American sports platform, drawing over 1,500 unique visitors in its initial quarter.

## PROGRAMMING EXPERIENCE

### [Lyft Back-End Engineering Simulation](#) | Python, TDD, UML

Oct 2023

- Took leadership in the Back-End Engineering job simulation for Lyft Rentals, accelerating project milestones by 40% and refactoring an inherited codebase for enhanced maintainability.
- Drafted a UML class diagram to reorganize architecture, coupled with the implementation of unit tests that achieved a 99% pass rate, ensuring software reliability and clarity.

### [Shell/Terminal Replica](#) | C, Git, Linux Ubuntu

Feb 2023-Sep 2023

- Collaboratively developed a custom Linux shell in C on Ubuntu, integrating functionalities like command parsing, process execution, and background task handling.
- Rigorously validated the shell through 500+ tests, achieving a standout 99% success rate, ensuring optimal performance and reliability.

### [Full Stack Police Force Web Application Database](#) | Python, Django, SQLite, React.js, HTML, CSS

Sep 2022-Dec 2022

- Developed a comprehensive Police Force Web App using Python, Django, React.js, and SQLite, with an emphasis on user experience and efficient data management of 1,000+ records.
- Introduced a high-speed query system, reducing search times from seconds to milliseconds, resulting in a 30% boost in overall productivity.

### [Discord Bot](#) | JavaScript, Node.js, Discord.js

Nov 2022-Dec 2022

- Developed an automated Discord bot using JavaScript and Discord.js, achieving a 50% reduction in manual server moderation tasks.
- Elevated chat experience by implementing content monitoring, reducing inappropriate language instances by 60% and introducing keyword-triggered responses.

### [Yelp Sentimental Analysis](#) | Python, JSON, NLTK

Mar 2022-Apr 2022

- Processed a large JSON dataset using NLTK, refining review content by lemmatizing and removing stop words for accurate analysis.
- Developed an analytic approach to determine average lemma ratings, successfully identifying the top 500 lemmas by sentiment and exporting results to a CSV.

## TECHNICAL SKILLS

**Programming:** Python, Java, C, C++, C#, LUA

**Frameworks, Libraries, and DBMS:** .NET, Qt, SQL, React, Django, NLTK, Tkinter, Pandas, NumPy, CSV, Matplotlib

**Software:** Git, WPF, Docker, VS Code, Eclipse, Spyder

**Operating Systems:** Windows, Linux