

# Alexander Manos

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## EDUCATION

### University of Connecticut

*Bachelor of Science in Computer Science & Engineering*  
*Minor in Mathematics*

Storrs, CT

*Grad: May 2026*  
*GPA: 3.82 / 4.0*

- College of Engineering Dean's List
- Relevant Coursework: Data Structures, Discrete Systems, Systems Programming, Algorithms & Complexity

## PROJECTS

### Husky Remind | *Full-Stack Development*

December 2023 – Current

- Led a team using Agile Scrum methodology to develop a full-stack application, ensuring iterative progress, adaptability, and efficient collaboration
- Designing and implementing user-friendly interfaces for students to manage their assignments
- Using the MERN (MongoDB, Express.js, React, Node.js) tech stack to build a robust and scalable solution
- Developing a backend API to handle data storage, retrieval, and user authentication
- Leveraging Git and GitHub for version control and collaborative development

### Circlegame | *Java + Game Design*

March 2021 – September 2023

- Designed and developed a desktop application to serve as an aim training video game
- Developed in Java using the Processing.org library
- Developed and deployed Circlegame's very own website using HTML, CSS, and JavaScript

### Mandelbrot Set Visualization | *Java + Data Visualization*

March 2023 – May 2023

- Developed a program to visualize the Mandelbrot Set, a famous mathematical fractal
- Developed in Java using the Processing.org library
- Implemented interactive features such as infinite zoom and adjustable accuracy

## CERTIFICATIONS

### IBM Full Stack Software Development | *Coursera*

Current

- Taking 12 courses on the fundamentals of Cloud Computing and Full Stack Software Development
- Developing full stack applications using frameworks such as React, NodeJS, and Django
- Learning how to utilize essential developer tools such as Git, Docker, and Kubernetes
- Enhancing knowledge on programming languages such as HTML, CSS, JavaScript, Python, and SQL

## LEADERSHIP & ACTIVITIES

### UConn Ultimate Frisbee | *Spirit Captain*

September 2022 – Current

- In charge of maintaining our team's sportmanship standards, communicating to other teams, and managing conflicts that arise during games
- Travel across the country whilst competing in numerous collegiate leagues and tournaments

### UConn Data Science Club | *Member*

September 2023 – Current

### UConn AI Club | *Member*

September 2023 – Current

## TECHNICAL SKILLS

**Languages:** Python, Java, C, SQL, HTML, CSS, JavaScript

**Frameworks:** React, Node.js, Express.js, Django, Flask, WordPress

**Developer Tools:** Git, GitHub, Docker, Kubernetes

**Libraries:** PyTorch, NumPy, Matplotlib, PDF-LIB.js, p5.js, Processing