

# 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: 3.86 / 4.0*

- Awards: 2024 & 2025 New England Scholar, 4x College of Engineering Dean's List
- Relevant Coursework: Data Structures, Systems Programming, Algorithms & Complexity, Computer Architecture, Big Data Analytics, Artificial Intelligence, Machine Learning, C++ Essentials, Intro to Software Engineering

## EXPERIENCE

### Software Development Intern

May 2025 – August 2025

*COCC*

- Built an automated regression test in Python + Selenium to validate new IUX notification features (read/unread state, categories, bulk actions), reducing manual QA time by 10%
- Developed and deployed new interface designs for the Idea Portal used by 200+ banking clients, modernizing client-facing visuals and strengthening brand alignment
- Coordinated 40+ branch validation workflows across teams to support smooth client upgrades and deployments
- Documented 6+ high-priority bug reports, recommending fixes to accelerate engineering response

## PROJECTS

### Circlegame | *Full-Stack Web Application*

May 2022 – Present

- Developed and maintained a 2D aim trainer evolving from a Java prototype to a full-stack web app built with React, Node.js, and MongoDB, serving 100+ users with 4,000+ games played
- Designed backend infrastructure with Node.js, Express, and MongoDB to handle authentication, accounts, scores, and leaderboards while ensuring scalability and reliability for users
- Implemented an XP and level progression system that increased new-user retention by 25%, encouraging repeat sessions and long-term engagement
- Built public profile and leaderboard features with persistent stats and ranking logic, supporting competition and social interaction across the user base

### Husky Eats | *Cross-Platform Mobile Application*

August 2025 – Current

- Developed a dining hall app with React Native, Express, and SQLite to deliver daily menus and nutrition facts for 20,000+ UConn students
- Built a Python web scraper to ingest menus on a daily basis and an Express API to deliver fast, real-time access for mobile users and external developers
- Integrated nutrition and allergen filters into the app, improving accessibility for students with dietary restrictions
- Prototyped an AI-powered system to recommend balanced meals using menu data and generative AI models

## LEADERSHIP

### UConn Ultimate Frisbee | *Captain*

September 2022 – Current

- Leading 25+ athletes in national collegiate tournaments and driving team performance against top programs
- Directed competitive strategy, balancing athletic performance with logistics for travel and tournaments

## TECHNICAL SKILLS

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

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

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

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