

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: 3.85 / 4.0

- Awards: 2023 New England Scholar, 3x College of Engineering Dean's List
- Relevant Coursework: Data Structures, Discrete Systems, Systems Programming, Algorithms & Complexity, Cybersecurity Lab, Computer Architecture, Big Data Analytics, Principles of Databases

PROJECTS

Circlegame | *Full-Stack + Game Design*

March 2021 – Current

- Developed an interactive web-based game using the MERN stack (MongoDB, Express.js, React.js, Node.js)
- Engineered secure backend services, including user authentication, RESTful APIs, and session management using Node.js and Express.js
- Integrated MongoDB for storing user profiles and statistics, ensuring data persistence and efficient retrieval
- Set up CI/CD pipelines for automated integration, deployment, and scalability

Mandlebrot Set Visualization | *Java + Data Visualization*

March 2023 – May 2023

- Developed a Java program to visualize the Mandlebrot Set, a famous mathematical fractal
- Optimized rendering to handle high accuracy levels, displaying fractal details up to 10 decimal places

CERTIFICATIONS

AWS Certified Cloud Practitioner | *AWS Skill Builder*

Current

- Currently studying foundational services, security models, and cloud concepts of Amazon Web Services
- Gaining hands-on experience with core AWS services to enhance cloud infrastructure knowledge, incorporating newfound knowledge into current and existing projects

IBM Full Stack Software Development | *Coursera*

August 2024

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

EXPERIENCE

AI Prompt Engineer Intern

May 2024 – August 2024

DataAnnotation.tech

Remote

- Crafted and iterated on 100+ prompts for large language models, leveraging NLP techniques and machine learning frameworks to evaluate model performance
- Adapted to new frameworks and coding languages as project requirements evolved, enhancing prompt evaluation methods and delivering high-quality results

LEADERSHIP & ACTIVITIES

UConn Ultimate Frisbee | *Captain*

September 2022 – Current

- Drive team performance through strategic leadership, training coordination, and game management; oversee national travel logistics, representing UConn at top collegiate tournaments

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, MongoDB, AWS

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