

Kenneth Maeda

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EDUCATION

University of Connecticut

Storrs, Connecticut

Bachelor of Science in Computer Science / Minor in Economics

August 2022 - May 2026

Concentration: Cybersecurity

Related Courses: Data Structures and Object-Oriented Design, Discrete Mathematics, Cybersecurity Principles

Programming Languages and OS: Python, C, Linux

Developer Tools: Google Cloud Platform, AWS, Visual Studio Code, Cryptography Tools

EXPERIENCE

Sentiment Analysis | UCONN

January 2024 – May 2024

- Automated the execution of startup scripts by developing and managing a virtual machine on Google Cloud using Linux and Python, resulting in a 30% improvement in project setup efficiency.
- Partnered with a team to design and implement instances that dynamically process and generate results, enhancing real-time data analysis and visualization by 20%.

Introduction to Cybersecurity | Codepath

February 2024 – May 2024

- Completed a rigorous ten-week course, acquiring hands-on experience with cryptography tools and successfully defending against 95% of simulated cyber-attacks, demonstrating strong defensive strategies through proactive threat identification and mitigation.
- Implemented SSH protocols to secure Ubuntu virtual machine environments, enhancing security measures in lab exercises by 50% through robust encryption methods and secure access configurations, ensuring data integrity and confidentiality.

Technical Interview Preparation | Codepath

June 2024 – August 2024

- Coordinated with a team of 4 members to strategize and implement the UMPIRE methodology, resulting in a great improvement in problem-solving efficiency on LeetCode.
- Led weekly coding sessions as the driver to mentor peers, fostering a collaborative learning environment.

PROJECTS

Password Manager

- Engineered a Django-based password manager incorporating advanced encryption protocols, achieving robust data protection.

EXTRACURRICULAR ACTIVITIES

Engineer Ambassadors

Stamford, Connecticut

Student Ambassador

January 2024 – Present

- Actively engaged with K-12 students through interactive workshops and demonstrations, promoting STEM interest and reaching over 200 students annually.
- Organized and led community events, effectively bridging the gap between academic concepts and real-world applications, fostering a practical understanding of STEM education and increasing student engagement.