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
Related Courses: Algorithms and Complexity, Discrete Mathematics, Cybersecurity Principles
Programming Languages and OS: Python, C, Next.js
Developer Tools: Google Cloud Platform, AWS, Visual Studio Code, Cryptography Tools, Firebase, Linux

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.

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 102 | 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

Microblog

- A web application using Flask to explore handling user passwords with advanced encryption protocols for robust data protection.

AI Customer Support Web Application

- Developed a web application using Next.js, incorporating the Gemini API to deliver advanced AI-driven customer support solutions.
- Created a Retrieval-Augmented Generation (RAG) technique to improve the relevance and contextual accuracy of responses, leveraging real-time data retrieval to enhance AI-driven support using Pinecone.

EXTRACURRICULAR ACTIVITIES

Engineer Ambassadors **Storrs, Connecticut**
Student Ambassador January 2024 – Present

- Actively engaged with over 100 K-12 students annually through interactive workshops and demonstrations, promoting STEM interest and fostering a practical understanding of STEM education.