Matthew Cheng

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Education

University of Illinois | Urbana-Champaign, IL   2023 – Present
Master of Computer Science in Data Science
3.85 GPA

College of William and Mary | Williamsburg, VA   2019 - 2023
Bachelor of Science in Computer Science | Bachelor of Science in Data Science
3.84 GPA, Graduated *summa cum laude*

Experience

JPMorgan Chase & Co., Wilmington, DE — *Software Engineer I*   2023 – Present
- Collaborated on the development and deployment of data migration pipelines, using AWS services, such as step functions, lambda functions, S3, and AWS Glue, as well as Terraform, Snowflake, and Apache Spark.

ADP, Inc., Norfolk, VA — *Application Development Intern*   2022
- Engineered and deployed a full stack REST API with Python, Javascript, Flask, Docker, and Kubernetes and automated tasks for the Networking Team using Python scripts.

Sitscape, Inc., Remote – *Software Development Intern*   2021 - 2022
- Performed comprehensive software testing, resolved JavaScript bugs, implemented frontend and backend features, and integrated React components.

Certifications, Skills, and Interests

Certifications: AWS Cloud Practitioner, IBM Introduction to Cloud Computing
Languages: Python, Java, C++, C, SQL, Javascript, Go
Frameworks: ML, Keras, Tensorflow, React, Flask, Docker, Apache Spark
Tools: Git, Linux, AWS, Kubernetes, Jira, Jenkins, Unit Testing, Agile/Scrum, Mocking, Terraform
Interests: soccer, basketball, gardening, board games, video games

Projects

Bloc: Web App
- Created a Web Application using Javascript, React, Python, and Flask. This app would serve as a scheduling and notification resource for students. It also includes a ML recommendation system.

Java Games
- Recreated the 2048 and Connect Four as Java Applications. Utilized Boruvka's Algorithm and Prim's Algorithm to create a multithreaded maze game.

Code Probing
- Created a Python library for evaluating Neural Code Models, applying the agile software development process and focusing on test-driven development. This library provides users with tools to determine the quality and completeness of their Neural Code Models, including the ability to test all single token capabilities.