

Viswanath Chadalapaka

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EDUCATION

University of Southern California 08/2021-Present (expected 2023)
M.S. Honors in Computer Science – Artificial Intelligence (GPA: 4.0)
Los Angeles, CA, United States

University of California, Davis 09/2017-12/2020
B.S. in Computer Science (GPA: 3.62, Major GPA: 3.80)
Davis, CA, United States

EXPERIENCE

Meta, Software Engineer Intern 05/2022-08/2022

- Developed a metrics collection framework for FB and Instagram Ads models
- Integrated model inferencing workflows by querying data using Apache Spark and Presto to analyze performance
- Optimized data retrieval speeds for over 100 TB of user data by 50+% via sampling
- Unlocked ability to analyze 90+% of production models using new metrics
- Increased model analysis methods for researchers directly responsible for \$10b of revenue
- Technologies used: Python, Apache Spark, Presto, PyTorch*

USC Institute for Creative Technologies, Grad Student Researcher 09/2021-05/2022, 08/2022-Present

- Co-led multi-agent reinforcement learning model development under DARPA funding
- Implemented cutting-edge graph learning models in PyTorch to increase model performance
- Resulted in 15-20% stronger models in high-impact military simulations
- Co-authored paper outlining results with AI conference publication planned in early 2023
- Technologies used: PyTorch (graph learning, reinforcement learning), Tensorboard*

AWS, Solutions Architect 01/2021-06/2021

- Interacted with AWS customers to provide scalable cloud architectures
- Built real-time ML-powered live stream censoring service based on potential AWS customer needs
- Presented solution in a company-wide livestream to over 50 concurrent viewers

AWS, Solutions Architect Intern 06/2020-09/2020

- Designed and developed an ML model for classifying multimodal data
- Created a high-accuracy (95+%) product classifier over 100s of categories via a SageMaker Algorithm

TECHNICAL SKILLS

Frameworks: PyTorch, Scikit, React, NodeJS, Apache Spark, Presto
Programming Languages: Python, C++, C, C#, Java, Javascript, SQL
Platforms: AWS, Azure, Google Cloud Platform

PORTFOLIO

Crypto Pump and Dump Detector, a state-of-the-art model for crypto pump and dump detection ([link](#), [paper](#))
AI Educator, a web service leveraging AI to create structured, educational content ([link](#))
Multimodal Data Algorithm, an AWS Sagemaker-ready algorithm for use on large multimodal datasets ([link](#))
Discord Chess Bot, a fun, trash-talking discord bot with which you can play blindfold chess ([link](#))

HOBBIES

- 12+ years of programming experience from building games as a kid ([link](#) to my first game)
- Eagle Scout who is confident in high-responsibility team roles
- Violinist of 12 years and former first-chair player, with experience delivering in high-stress situations
- Enjoy playing blitz and bullet chess