Max Tang

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EXPERIENCE

Principal Financial Group   May 2022 - Present

IS OET Intern

- Spearheaded continuous integration/continuous deployment (CI/CD) solutions to develop infrastructure as code (IaC) using Terraform and Github Actions on AWS
- Gained experience and understanding of working in an Agile/DevOps environment
- Utilized AWS and Dynatrace in accordance with Google's Site Reliability Engineering principals to provide more observability throughout the company
- Instrumenting infrastructure as code (IaC) through Terraform to build company applications on AWS
- Developed event-driven automation tooling in Python Lambda functions to populate AWS RDS
- Designed dashboards to look at company metrics to pinpoint root cause problems in applications

ADVA Optical Networking   Dec 2021 – May 2022

CS Professional Services Intern

- Build software solutions to facilities customer – business relations
- Design and create architecture to be deployed company-wide
- Work closely with team members to learn valuable team skills
- Technical lead for a global product release

Transatlantic Intel AI Hackathon   Sep 2021 - Sep 2021

Team Lead

- Learned presentation skills and delivering them to a global audience
- Recognized as one of 15 teams to be selected to compete
- Mentored team members in machine learning concepts and ideology

PROJECTS

RLAgents – Python   October 2021 - Present

- Utilized OpenAI Gym to train deep reinforcement learning agents
- Built over 40 neural network models spanning across 3 gym instances
- Established a deep Q-learning agent that successfully generate its own models to solve problems.

SignLanguage.ai – Python   September 2021

- Studied Tensorflow and PyTorch to gain a deeper understanding of Machine Learning
- Developed and trained a neural network to detect 100 unique signs
- Completed in under 48 hours

Stock Analysis – Python   May 2021 – July 2021

- Analyzed stock trends across different sectors, indices, and volatility levels.
- Worked with ~2000 stocks and 10 years of historical data to generate graphs for observing trends
- Mastered data science packages such as pandas, numpy, selenium, requests, etc. overall a total of 100 hours.

EDUCATION

Georgia Institute of Technology   Aug 2020 – Present

Graduation: Dec 2022; GPA: 3.8; Major: BS in Computer Science. Dean's List. Zell Miller Scholarship

South Forsyth High School   Aug 2016 – May 2020

Valedictorian, ACT: 36, SAT: 1530

SKILLS

Top Programming Languages: Python, C# , Java, SQL, C, Matlab, JavaScript

Relevant Coursework: Data Structures and Algorithms, Computer Organization, Objects and Design, Machine Learning, Artificial Intelligence, Differential Equations, Multivariable Calculus, Object Oriented Programming

Awarded Faculty Honors (4.0 GPA) for Summer, Fall 2021.