MEng EECS Capstone Project Additional Information

Jerry Ge

Basic Information

Name: Jerry Ge

Undergraduate Education:

- University of Southern California (2015 - 2019)
- Double degrees in Computer Science (B.S) & Applied Math (B.S)
- CS GPA: 3.98/4.0 && Applied Math GPA: 3.85/4.0
- Received [USC Provost's Undergraduate Research Fellowship](#)
- Dean's List for all semesters
- (Received UC Berkeley M.Eng Excellence Award)

Professional Experience

Arm Ltd (June 2020 - July 2021) *(to be NVIDIA soon….)*

- Worked as a full-time software engineer mainly focused on the enabling of Kubernetes on arm infrastructure platforms in the OSS Container Team. Actively making contributions to the cloud native open source communities.
- I am an official member of Kubernetes Community (SIG Scheduling)
- I am currently enabling the Kubeflow project (K8s for Machine Learning) on arm infrastructures
- Github Handle - Jerry-Ge

AI/ML Related Experiences

- Took *Introduction to Artificial Intelligence (CS360)* at USC CS Department
  - Instructor: [Sven Koenig](#)
  - Grade: A
- Took *Mathematics of Machine Learning (Math 447)* at USC Math Department
  - Instructor: [Guillermo Reyes](#)
  - Grade: A
  - This course mainly focuses on the statistical Learning Theories and Mathematical Proofs
- Summer AI research Intern at Trip.com (Summer 2019)
  - Studied various state-of-the-art Computer Vision AI algorithms for tourism image processing models
  - Build a simple but complete machine learning infrastructure system (MLOps)

Teaching Experience

Worked as the undergraduate TA for the course *Data Structures and Object-Oriented Design* at the University of Southern California for 3 years.

- Instructor: Prof. Mark Redekopp
- Hold weekly lab sessions and office hours

One semester undergraduate TA for the course *Distributed Systems for the Internet of Things*

- Instructor: Prof. Mark Redekopp
- Hold office hours

Areas of Expertise

Technical

- C/C++, Python, Golang, Swift, etc.
- Container and Container Orchestration Technologies
- ARM related technologies (including arm v8/9 ISAs, arm infrastructure systems)

Communicational

- Semi-professional video producer (scripting, editing, etc) and an amateur Youtuber
- Worked as the team lead of a local internal communication team in Arm handling daily communicational activities across multiple international sites

Technical Courses I may take in Fall 2021 at Berkeley

- EECS 227AT OPTIMIZATION MODELS
  - Instructor: Laurent El Ghaoui
- ELENG (Electrical Engineering) C220A: Advanced Control Systems I
  - Instructor: Masayoshi Tomizuka

MISCs

I also enjoy doing triathlons during my free time. :)

Check out the last competition I participated in San Luis Obispo, CA

- Link: https://youtu.be/q2_3HjYcrv8

Thank you for choosing me to participate in your project!

Jerry Ge