Janice Chan

jc2729@cornell.edu ☀ jc2729.github.io ☀ linkedin.com/in/janicechan2729 ☀ github.com/jc2729

EDUCATION

Cornell University, College of Engineering, Ithaca, NY
M.Eng., Computer Science **Aug. 2019 – May 2020 (Expected)**
Awards: Master of Engineering Committee Fellowship

B.S., Computer Science, Information Science Minor **Aug. 2016 – May 2019**
Awards: Summa Cum Laude, Dean's List; *Cumulative GPA*: 4.11
Courses Taken (= Course Staff)*

- CS 5430 – System Security
- CS 5412 – Cloud Computing
- CS 4820 – Introduction to Analysis of Algorithms
- CS 4700 – Foundations of Artificial Intelligence
- CS 2112 – Honors Object-Oriented Design & Data Structures*
- CS 5414 – Distributed Computing Principles
- CS 4410 – Operating Systems
- ECE 4450 – Computer Networks & Telecommunications
- ECON 4020 – Game Theory
- CS 3110 – Data Structures & Functional Programming

SKILLS

Languages: Java, Python, Go, C++, JavaScript, C, OCaml, Swift, PHP, Bash
Technologies: Django, ReactJS, Spring Boot, Kubernetes, Ansible, Docker

WORK EXPERIENCE

Google, Sunnyvale, CA, *Software Engineering Intern* **May 2019 – Aug. 2019**

- Built TF2OpenAPI, an Open Source, subsecond command-line tool in Go which outputs tailored OpenAPI specifications for prediction requests to TensorFlow models on model servers
- Integrated TF2OpenAPI into Cloud AI Platform's managed service to display sample payloads in the UI
- Contributed to existing C++ and Java code to surface OpenAPI specifications

Google, Sunnyvale, CA, *Software Engineer, Tools and Infrastructure Intern* **May 2018 – Aug. 2018**

- Developed a microservice in Java for interacting with remote repositories to automate the release of 7+ Cloud products for the Cloud Release Engineering team
- Re-architected and extended the repository service from a monolithic release orchestration tool to a microservice, using Spring Boot, and migrated it to Kubernetes
- Set up polling and event-driven models to track file and ref updates and emit change events with Cloud Pub/Sub

Flex, Milpitas, CA*, CloudLabs Intern* **June 2017 – Aug. 2017**

- Created Ansible playbooks in YAML syntax to automate performance benchmarking for servers
- Automated installation of machine learning frameworks and benchmarking the time for training image classification models on various frameworks, namely TensorFlow, Caffe2, and CNTK

CAMPUS INVOLVEMENT

Women in Computing at Cornell (WICC), *Co-President* **Sep. 2016 – Present**

- Led team of 4 VPs, 25 directors to achieve mission of making computing inclusive for all at Cornell and beyond
- Created resources page as technical director and managed weekly Girls Who Code classes as outreach director to increase accessibility for pursuing tech

PROJECTS

Multi-Decree Paxos // Python **Oct. 2018 – Nov. 2018**

- Implemented the Paxos consensus protocol for state machine replication in an async environment with failures
- Added multithreading to servers and socket networking to create a distributed system

Project // Swift, JavaScript **July 2017 – Aug. 2017**

- Ideated and led development of Project, a "projector" for drawings from an iOS app onto browser screens
- Configured data transfer from an iOS app to a web app using a Firebase database to mimic screen-sharing
- Added access restriction and data processing in the web app to reflect changes to a drawing in real-time