AUSTIN Y. WANG

austin.wang0311@gmail.com | austinyw.com | linkedin.com/in/austinyw | github.com/dafondo

EDUCATION

University of North Carolina at Chapel Hill   Chapel Hill, NC

M.S. in Computer Science   Aug 2020 – May 2021
B.S. in Computer Science & Mathematics   Aug 2016 – May 2020

EXPERIENCE

Tempus AI   Remote

Software Engineer - Core Services / Genomics   July 2021 – Aug 2023
- Developed a back-end service in **TypeScript** for orchestrating compute jobs on **Google Cloud Kubernetes** clusters
- Developed a front-end **React** dashboard for managing and monitoring compute jobs
- Created a module to **Dockerize and deploy ML models** with **Google Cloud Build** in compliance with FDA regulations
- Developed **Node.JS** service to handle business logic flow and dependencies for cancer clinical testing pipeline
- Designed and implemented a release testing system in **Python** to validate tumor sub-typing algorithm

Amazon   Seattle, WA

SDE Intern - Prime Video Downloads   May 2019 – Aug 2019
- Designed and implemented back-end **Java** service on **AWS Lambda** for deleting downloaded videos upon logout
- Adapted existing modules to work within AWS Lambda including **DynamoDB** calls and **SNS message decryption**

SDE Intern - Prime Video Metadata   June 2018 – Aug 2018
- Created web app with **Flask (Python)**, **JavaScript**, and **HTML/CSS** to identify and reconcile incorrect metadata
- Implemented asynchronous task pipeline with **Celery**, **SQS**, and **DynamoDB**
- Integrated granular access control so other teams could run approved scripts, reducing operational friction

UNC-Chapel Hill   Chapel Hill, NC

Graduate Teaching Assistant - COMP 380 Digital Culture   Aug 2020 – May 2021
- Led discussions on the social and ethical impact of information and digital technologies
- Assisted and assessed students on projects covering computing history and ethics

Learning Assistant - Emerging Scholars Program   Jan 2018 – June 2018
- Taught lessons on various topics in CS, ranging from algorithms to cryptography
- Helped navigate first and second year students through the CS program and curriculum

RESEARCH

UNC-Chapel Hill   Chapel Hill, NC

Undergraduate Research Assistant   May 2017 – May 2020
- Exploited security weaknesses to investigate data privacy of commercial **IOT devices**
- Generated data-sets on energy usage to explore relationships between energy use and human activity
- Created **VR simulations** to conduct user studies on human response to robot appearance and movement
- Publications in **international conferences**: **PerIoT**, **ICRA**, **CVPR**, and **IROS**
- Google Scholar Profile: scholar.google.com/citations?user=XKuRhDMAAAAJ

PROJECTS

CS+Social Good at UNC-CH | *Co-Founder / President / Technology Chair*   April 2018 – May 2021
- Designed and developed tech projects **pro-bono** for local **non-profits** and student organizations
- Managed **90 other students** and mentored them in project management and software development

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, Python, SQL, PostgreSQL
Frameworks: Node.js, Nest.js, Flask, React
Developer Tools: Terraform, Google Cloud Platform, AWS, Git, Docker, Linux, VS Code
Other Skills: System Design, CAD, 3D Printing, Soldering, Photography, Videography