

AUSTIN Y. WANG

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EXPERIENCE

Tempus Labs

Remote

Software Engineer - Core Services / Genomics

July 2022 – Present

- Developed a **Node.JS** service for orchestrating compute jobs on **Google Cloud** Life Sciences API
- Developed a front-end **React** web app for managing and monitoring compute jobs
- Designed and developed a module for building user-provided code in **Google Cloud Build** with a custom interface layer that communicates with our internal services
- Developed **Node.JS** service to handle business logic flow and dependencies for the clinical testing pipeline
- Created a suite of jobs to provide end-to-end testing for our orchestration service
- Designed and implemented a release testing system for tumor sub-typing algorithm which performs scientific and business logic validations

Amazon

Seattle, WA

SDE Intern - Prime Video Downloads

June 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

May 2018 – Aug 2018

- Created web app with **Flask**, **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

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

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

Carolina Cupboard Inventory

Jan 2019 – Aug 2020

- Created a full-stack inventory management app with **NodeJS**, **HTML/CSS**, and **PostgreSQL** for a student-run food pantry
- Integrated university authentication service and implemented access-control on admin services
- Developed cart and checkout system for visitors to pre-order items online

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, VS Code

Other Skills: CAD, 3D Printing, 3D Motion Control, Soldering, Photography, Videography