

Nancy Tao

nancy.tao42@gmail.com • 334-734.4551 • github.com/nancytao • U.S. Citizen

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

BS IN COMPUTER SCIENCE

Aug 2015 – Dec 2018 | Atlanta, GA

Concentrations:

Information Internetworks, Media

GPA: 4.0 / 4.0

Semester Study Abroad:

Universitat Politècnica de Catalunya,
Barcelona, Spain

May 2016 – July 2016

SKILLS

PROGRAMMING

Proficient:

Java • Python • JavaScript

Familiar:

C • C# • SQL • HTML • React

Technology:

Git • AWS (Lambda, DynamoDB,

CloudFormation) • Android

MongoDB • Linux / Unix • PySpark

COMPETITIONS

MAKE A DIFFERENCE HACKATHON 2018

Spark for Change | Won

Bloomberg Philanthropy Mission Prize

Android application connecting charities, philanthropic companies, and service-oriented individuals by gamifying volunteering

CONVERGENCE INNOVATION COMPETITION 2017

Awexa | Won 1st in IoT category

Alexa skill to manage chores for kids too young to have smartphones, with Android and web interfaces, providing a reward marketplace

HACKGT 2017

To the Skies | Won Best Travel Solution

Android application to allow premium customers to personalize and schedule travel amenities for flights and layovers

EXPERIENCE

INSTAGRAM (FACEBOOK) | SOFTWARE ENGINEERING INTERN ON PRIVACY

May 2018 – Aug 2018 | Menlo Park, CA

- Increased efficiency of audience control framework for privacy and added features
- Migrated Instagram privacy controls on media to use said audience control framework

TURNER | CLOUD SECURITY ENGINEERING INTERN

Jan 2018 – May 2018 | Atlanta, GA

- Automated auditing of compliance to Turner's cloud security standards for AWS
- Created scorecard and org chart visualizations of the compliance to create visibility into hundreds of vulnerabilities and motivate remediation

MICROSOFT | SOFTWARE ENGINEERING INTERN VIA INTENTIONAL SOFTWARE

May 2017 – Aug 2017 | Bellevue, WA

- Developed an application on the Intentional platform to analyze and visualize data
- Redesigned custom animation API to allow object modification animations, to better encapsulate layout internals, and to enhance deletion animations

GEORGIA INSTITUTE OF TECHNOLOGY CYBER SECURITY

SECURITY OPERATIONS LEAD (PROJECT MANAGER)

Jan 2017 – Dec 2017 | Atlanta, GA

- Developed apps for better incident detection and response
- Mentored students in skills development and coordinated project management

SECURITY OPERATIONS ASSISTANT ANALYST

Feb 2016 – Dec 2016 | Atlanta, GA

- Triageed and handled security incidents on the Georgia Tech network
- Reviewed vulnerability reports, identified compromised systems, and worked with administrators on remediation

RESEARCH

BIG BIO-DATA RECAPTURE | VERTICALLY INTEGRATED PROJECTS

Jan 2016 – Dec 2017 | Atlanta, GA

Tool to analyze published biomedical papers to allow one to more easily keep track of developments in the field

- Built a web app using the MEAN stack with a REST API to allow for dynamically displaying and searching data
- Configured and managed a new web server, leading the transition from legacy PHP code to Node.js, doubling productivity and reducing downtime, in addition to supporting a local Vagrant instance for individual testing
- Created and managed a custom MySQL database solution from the ground up

RECONSO CUBESAT MISSION | TELECOMMUNICATIONS SOFTWARE

Jan 2017 – Sep 2017 | Atlanta, GA

Goal of the mission is to deploy a satellite to track orbital debris

- Developed a Core Flight Executive (CFE) module to process data on the satellite and handle state changes
- Ensured reliable uplink and downlink of GPS data to and from the satellite and the ground station

MODERATION IN ONLINE COMMUNITIES

Aug 2016 – Dec 2016 | Atlanta, GA

Analysis on the effectiveness of moderation on Reddit by looking for continued abuse

- Built a web crawler to scrape posts to create user contribution timelines
- Automated the process of getting data out of off-site Reddit archives