

# Nancy Tao

nancytao@gatech.edu • (334) 734-4551 • github.com/nancytao

## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science*

Aug 2015 - Dec 2018

- Concentrations: Information Internetworks, Media
- GPA: 4.0/4.0
- Semester Study Abroad in Barcelona, Spain (May 2016 - Jul 2016)

## EXPERIENCE

### Microsoft (Office Product Group – Intentional Team)

Bellevue, WA

*Software Engineering Intern*

May 2017 - Aug 2017

- Developed an application on the Intentional platform to manipulate, analyze, and visualize external data
- Enabled application writers to customize object modification animations on the Intentional platform
- Redesigned custom animation API to better encapsulate layout internals and make deletion animations more usable

### Georgia Institute of Technology Cyber Security

Atlanta, GA

*Security Operations Lead*

Jan 2017 - present

- In addition to previous responsibilities, developing apps to assist in better incident detection and response
- Mentoring and training students in skills development and coordinating ticket triage and management

*Security Operations Assistant*

Feb 2016 - Dec 2016

- Monitoring security alerts and tools for possible threats to the Georgia Tech network and triaging those incidents
- Reviewing vulnerability reports, identifying compromised systems, and working with administrators on remediation

### Georgia Institute of Technology College of Computing

Atlanta, GA

*Teaching Assistant for CS 1100 (Freshmen Seminar)*

Aug 2016 - Dec 2016

- Assisted freshmen in developing academic success strategies, exploring career and leadership opportunities, preparing resumes, and building oral presentation skills

## SKILLS

- **Proficient:** Java, Python, C
- **Familiar:** JavaScript, MySQL, HTML, AngularJS, Node.js, MongoDB
- **Technology:** Git, Android development, Vagrant, Linux / Unix

## PROJECTS

### RECONSO CubeSat Mission – Telecommunications Software (Undergraduate Research)

Jan 2017 - present

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

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

### Big Bio-Data Recapture (Undergraduate Research)

Jan 2016 - present

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

- Building 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

### Undergraduate Research on Moderation in Online Communities

Aug 2016 - Dec 2016

*Analysis on the effectiveness of moderation on Reddit by looking for continued abusive behavior*

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

### Job Trackr (HackGT 2016 Project)

2016

*Web application using MEAN stack that simplifies tracking internships and/or jobs applied to and compares offers by location*

### GT Travel (Class Project for CS 4400 Intro to Database Systems)

2016

*MySQL and Python web application that displays travel destinations with advanced search and reviewing*