

Nancy Tao

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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 to manipulate external data on the Intentional platform, analyze it, and visualize it
- 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 SOC daily life and promote better incident 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
- **Familiar:** C, C#, Android, JavaScript, MySQL, HTML, AngularJS, Node.js, Vagrant

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
- 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 application using the MEAN stack to allow for dynamically displaying and searching data
- Configured and managed a new 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
- Set up an automation process for retrieving newly published biomedical papers

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