

Nancy Tao

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science

Aug 2015 - May 2018

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

SKILLS

- **Proficient:** Java, Python
- **Familiar:** C, Android, Javascript, MySQL, HTML, AngularJS, Node.js, Vagrant
- **Languages:** German (intermediate)

EXPERIENCE

Georgia Institute of Technology Cyber Security

Atlanta, GA

Student Employee Analyst

Feb 2016 - present

- Monitoring security alerts and tools for possible threats to the Georgia Tech network
- Triaging incoming security incidents
- Reviewing vulnerability reports and working with the responsible parties on remediation
- Identifying compromised systems and following up appropriately with system administrators

Georgia Institute of Technology College of Computing

Atlanta, GA

Teaching Assistant for CS 1100 (Freshmen Seminar)

Aug 2016 - Dec 2016

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

PROJECTS

RECONSO CubeSat Mission – Telecommunications Software

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 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 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

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

Job Trackr (HackGT 2016 Project)

Sept 2016

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

- Learned how to use the MEAN stack

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

Jun 2016 - Jul 2016

MySQL and Python web application that displays travel destinations based on reviews

- Implemented advanced search of cities, locations, and events and a dynamic review system
- Designed and architected the database schema and backend