Nancy Tao

nancytao@gatech.edu ● (334) 734-4551 ● github.com/nancytao ● U.S. Citizen

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: Universitat Politècnica de Catalunya, Barcelona, Spain   May 2016 - Jul 2016

EXPERIENCE

Microsoft – 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, developed apps to assist in better incident detection and response
- Mentored and trained students in skills development and coordinated project management

Security Operations Assistant   Feb 2016 - Dec 2016
- Monitored security alerts and tools for possible threats to the Georgia Tech network and triaged those incidents
- Reviewed vulnerability reports, identified compromised systems, and worked 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

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
- 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 (Undergraduate Research)   Jan 2017 - Sep 2017
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

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 Database Systems)   2016
MySQL and Python web application that displays travel destinations with advanced search and reviewing