CATHERINE LIU

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⊙ cathy-liu23

EDUCATION

Georgia Institute of Technology
B.S. Computer Science 2020
Concentrations: People and Media
Minor: Chemistry
GPA: 4.0/4.0

SKILLS

PROGRAMMING: Java, Python, HTML, CSS, Android Studio, Command Prompt, JUnit Tests, SQLite, Firebase
COMPUTER: GitHub, ZenHub, Microsoft Excel, Microsoft PowerPoint, Microsoft Word
LANGUAGES: English, Chinese, French
AFFILIATIONS: American Medical Students Association, Stamps Health Services Ambassadors, KNIT Mentorship

EMPLOYMENT

COLLEGE OF COMPUTING AT GEORGIA TECH
Python Teaching Assistant

Georgia Institute of Technology
May 2017 to Current

- Prepare lesson material for weekly recitations to enhance student understanding of material
- Hold weekly office hours to assist students with both conceptual and homework questions
- Write and grade exams and homework in a timely manner

WORK, MOTIVATION, AND EMOTION LAB
Undergraduate Research Assistant

Georgia Institute of Technology
Aug 2017 to Current

- Investigating the geographic and job mobility of college students directly after graduation
- Assisting with analysis of interventions that affect motivation and self-control
- Manipulating and reorganizing large CSV files using Python
- Analyzed census reports using Microsoft Excel to understand current migration patterns

PROJECTS

FINDING REMY
Aug 2017 to Dec 2017

- Android Application for Tracking Rodent Activity
- Created application that allows users to track, report, and view data on rat sightings in New York City using the Google Maps API
- Utilized SQLite to create database for keeping track of user and rat sighting information
- Planned project using user stories, domain modeling, and ZenHub

LIL' PRINTER
Oct 2017

- Android Application for students to use that determines printers functionality in real time
- Backed up printer data and user login information using Firebase
- Utilized Google Maps API to display printer availability to users
- Develop friendly and simple user interface using layout editor

VOLUNTEERING

GRADY MEMORIAL HOSPITAL · Volunteer
Atlanta, Georgia

May 2013 to Current

- Assist doctors and nurses with their duties in the GI, Cancer, Radiology, and Oral Surgery departments
- Aid patients with filling out paperwork and government information forms such as food stamp applications
- Presented public health information to patients and their families in the Cancer Resource Center
- Over 230 volunteer hours recorded

ACTIVITIES

GT1000 PRE-HEALTH SECTION · Team Leader
Aug 2017 to Dec 2017

- Planned classes and presentations to help students understand different medical fields
- Advised first-year students interested in pursuing the pre-health track
- Led a group of six students to help them prepare and present a presentation