

NICOLE HUANG

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EDUCATION

University of Pittsburgh, Pittsburgh, PA

Expected Graduation: April 2022

Bachelor of Science in Computer Science

GPA: 3.74

Relevant Coursework: Calculus III, Linear Algebra, Applied Statistical Methods, Practical AI, Data Structures, Algorithm Implementation, Intro to Blockchain, Software Quality Assurance, Formal Methods in CS

WORK EXPERIENCE

University of Pittsburgh, School of Computing and Information

Pittsburgh, PA

Undergraduate Teaching Assistant

September 2020 – December 2020

- Lead lab section weekly to 17 students to enhance their understanding and practical skill through Python projects
- Hold weekly office hours, provide assistance and resources to students

TimeSys Corporation

Pittsburgh, PA

Software Engineer Intern | Linux (Ubuntu), Git Lab, Docker, Python

May 2020 - August 2020

LinuxLink is the Timesys web portal for gaining access to support, security tools, and embedded Linux development environment.

- Increased sales team's work efficiency by designing and building an interactive web application as an internal tool on the LinuxLink, which allows them to conveniently search on the user information and look for products statistic
- Assembled **REST APIs** as back-end by using **Python** microframework **Flask** to handle the requests and send responses to the front-end interface and parse data from **JSON** format
- Implemented **Object Relational Mapping (ORM)** on **SqlAlchemy** to query, filter and extract data from the database
- Developed a front-end by utilizing the **Bootstrap**, **CSS**, **HTML**, **JavaScript**, **DataTables**, and **Jinja2**, and used **JQuery** to set up event-driven responses on page elements

SELECTED PROJECT EXPERIENCE

Personality Hacker | Python, BERT, Flask, React

September 2020 - November 2020

- Built a web application integrated with a model to predict people's personality by sending Reddit username
- Utilized **Reddit API** to fetch comments from username and analyze the comments using the model for prediction

Learning Buddies – She Innovates Hackathon | HTML, CSS, JavaScript, Bootstrap

February 2020

- Built and designed a website with implementation of **Google Map API** to help students navigate and find study groups
- Served as product manager and QA to research the requirements of potential users, design features and test functions
- Created a task management strategy for the team to allow members to progressively complete their tasks before the deadline and assigned tasks to each member according to their strengths

Best Neighborhood in Pittsburgh | Python, Jupyter Notebook

November 2019 - December 2019

- Tracked workflow and coding in the team as team leader
- Formatted, cleaned, and filtered three raw data sets from WPRDC to interpret and predict the best neighborhood in Pittsburgh according to the crime rate and the median age at death
- Visualized and analyzed different aspects of the data by using **Pandas**, **NumPy**, and **Matplotlib**

Computer Simulator Pippin | JAVA

December 2018

- Built an assembly simulator to show the computer executing and accepting a program and data that run step by step
- Incorporated Graphical User Interface and utilized **JTest Units** for testing where the user can input assembly code and see how a computer system would interpret and run through the code

LEADERSHIP AND ACTIVITIES

Chinese Undergraduate Students Association

Pittsburgh, PA

Outreach Chair

May 2020 - Present

- Lead a team of 4 members to reach potential sponsors; received more than **\$10,100** in sponsorship fees within 2 months
- Coordinated job search and interview tips webinar, attracted more than **306** students around Pittsburgh to participate

Grace Hopper Celebration 2020 attendee

September 2020 - October 2020

SKILLS

Programming languages: Python, Java, C, HTML, CSS, JavaScript, SQL, R

Tools & Technologies: Git, Docker, Google Cloud Platform, OpenCV, React, Tableau, Minitab, Eclipse, Adobe Photoshop

Operating systems: Windows, MacOS, Linux

Certifications: Lean Six Sigma Green Belt, IBM Data Science Professional (In progress)