NICOLE HUANG

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EDUCATION

University of Pittsburgh, Pittsburgh, PA   *Expected Graduation: April 2022*
Bachelor of Science in Computer Science   GPA: 3.6
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 - Present*
- Coached weekly lab section of 17 students in Python skills
- 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.
- Designed an interactive web application tool on the LinuxLink, which allows the sales team to conveniently search on the user information
- 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

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

LEADERSHIP AND ACTIVITIES

Chinese Undergraduate Students Association   *Pittsburgh, PA*
Outreach Chair   *May 2020 - Present*
- Led team of four members to raise $10,000 in donations in two 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)