Tommy Nguyen

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EXPERIENCE

Software Engineering Intern   May 2018 - August 2018
LZ Technology, NASA
- Designed and developed a Java app with a graphical user interface to enable the monitoring of daily system tasks
- Wrote test cases and bug bash tests to execute and validate that the code performs as expected
- Became proficient in Unix and bash in order to navigate various log files in a service directory to compare results from the Java GUI display
- Participated in daily scrum meetings to discuss various software issues and formulate a solution
- Applied agile practices to complete the Software Engineering Process

EDUCATION

The University of Houston   January 2016 - December 2020
Bachelor of Science, Computer Science (BS), Cumulative GPA: 3.0

PROJECTS

Instagram Follower Checker - Selenium, APScheduler, Python, Flask, Postgresql (Personal Project)
- Used Selenium webdriver to automate the extraction of instagram followers and store them in a database
- Provided a web application to display a list of people who unfollowed the user without having to pay any subscription
- Created cron jobs using APScheduler to execute multiple script at different times while being hosted on Heroku

uhlambdas.com - Python, Flask, Postgresql, Bootstrap, HTML (Organization Website)
- Used Flask web framework to write back end Python script to query data from database
- Designed and managed PostgreSQL database schemas, tables, and relations in order to maintain member data for the organization
- Learned the fundamentals of Bootstrap HTML and CSS to design multiple web pages that enabled information from a database to be displayed properly

Puppy Notifier - Python, Twilio API, Cron (Personal Project)
- Wrote python scripts to perform multiple web scraping on a website to receive information from 100+ dogs near the area and stored that information in a CSV file
- Used Twilio API to send alert messages immediately notifying when a new dog has been added, enabling users to quickly contact the dog's owner for purchase
- Deployed the application on DigitalOcean VPS and created cron jobs to execute the script every minute

TECHNICAL SKILLS

Languages: Python, C++, Java, HTML, Bash, Cron
Technologies: Postgresql, Netbeans, Selenium, Pycharm, Xcode, Heroku, APScheduler, Flask
Programming Paradigms: Object-Oriented Programming (OOP)
Software Design Methodologies: Agile, Scrum, Retrospectives, Scrum Board