Phillip Hoang

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EDUCATION

B.S. Mathematics

University of Washington – Seattle, WA

Sept 2018 – June 2022

GPA: 3.61

Awards: Dean's List

Courses: Data Structures & Algorithms, Introduction to Database Systems, The Hardware/Software Interface, Software Design & Implementation, Web Programming

SKILLS

- Java, Spring, Python, C, HTML, CSS, JavaScript, SQL, REST API, Terminal, Git, Microsoft Office, Linux

WORK EXPERIENCE

Software Engineer I | VMware | July 2022 – Aug 2024

- Engineered automatic circuit breaks to prevent upgrades for SDDCs affected by PSODs in Autoscaler service replace host tasks
- Kept software/services compliant with security concerns/mandates by identifying vulnerable APIs/packages and updating them in a timely manner
- Reduced SRE host replacement time by 20% through implementation and exposure of multiple host replacement workflow for Autoscaler service as an RTS script
- Developed host remediation and replacement workflows to support new cloud provider Equinix
- Reduced bugs/errors in Autoscaler system by 5% for operations on hosts and SDDCs to maintain SLAs

Undergraduate Researcher for Autonomous Wheelchair Project and AI4ALL | UW Taskar Center for Accessible Technology | Jan 2019 – Sept 2020

- Implemented a semantic segmentation model for autonomous wheelchairs
- Annotated and performed masking on Seattle street images for fine tuning a semantic segmentation model
- Validated data by cross referencing sensor data and Google Maps satellite data
- Created a two-week summer curriculum for data science and AI concepts for the University of Washington

PROJECTS

MLSteamPlayerTrends | June 2020

- Wrote a game popularity predictor for Steam platform, that achieved an r^2 score of 0.812 using Python
- Used numpy, matplotlib, sklearn, and pandas to visualize/analyze data

SLNRegisterBot | Mar 2020

- Developed a Python program that reduces the time to register for UW classes using sln codes
- Connected an email account to receive notifications for open seats for classes for automation
- Used selenium module to open a browser to sign up for classes by finding html tags and elements

CrimeData | Jan 2019

- Created a Java program for visualizing criminal data in Seattle neighborhoods
- Instantiated multiple views for varied data comparison and analysis
- Designed an intuitive GUI utilizing the java.swing package