

NUTYPES

27 Prince George's Park, National University of Singapore, Singapore 118425

☎ 8888 ✉ nutypeset@u.nus.edu

Education

National University of Singapore

Ph.D (information security)

Sep. 2024 – June 2028

Singapore, Singapore

National University of Singapore

Bachelor of Computing(information security)

Sep. 2020 – May 2024

Singapore, Singapore

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Experience

Cisco

June 2021 – September 2021

Software Engineer Intern

Singapore, Singapore

- Developed a crawler to automatically crawl huge number of blogs online for big data analysis.
- Developed a sentiment analysis based on NLP for searching.
- Incorporated scripts using Python and PowerShell to aggregate XML test results into an organized format and to load the latest build code onto the hardware, so that daily testing can be performed.
- Implemented Selenium to create an instance of Chrome in order to interact with the correct elements of the web page.

National University of Singapore

January 2021 – June 2021

Student Researcher

Singapore, Singapore

- Developed a crawler to automatically crawl huge number of blogs online for big data analysis.
- Developed a sentiment analysis based on NLP for searching.
- Incorporated scripts using Python and PowerShell to aggregate XML test results into an organized format and to load the latest build code onto the hardware, so that daily testing can be performed.
- Implemented Selenium to create an instance of Chrome in order to interact with the correct elements of the web page.

Projects

Gym Reservation Bot | *SpringBoot, Mybatis, Mysql, Vue.js, Latex*

September 2020 – June 2024

- Developed a crawler to automatically crawl huge number of blogs online for big data analysis
- Implemented Selenium to create an instance of Chrome in order to interact with the correct elements of the web page.
- Created a Linux virtual machine to run on Google Cloud so that the program is able to run everyday from the cloud.
- Used Cron to schedule the program to execute automatically at 11 AM every morning so a reservation is made for me.

Ticket Price Calculator App | *Java, Android Studio*

November 2020

- Created an Android application using Java and Android Studio to calculate ticket prices for trips to museums in NYC.
- Processed user inputted information in the back-end of the app to return a subtotal price based on the tickets selected.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

Transaction Management GUI | *Java, Eclipse, JavaFX*

October 2020

- Designed a sample banking transaction system using Java to simulate the common functions of using a bank account.
- Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all accounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio

Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit, WordPress

Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit, WordPress

Leadership / Extracurricular

National University of Singapore Chinese Society

September 2020 – June 2021

Vice President

Singapore, Singapore

- Achieved a 4 star fraternity ranking by the Office of Fraternity and Sorority Affairs (highest possible ranking).
- Managed executive board of 5 members and ran weekly meetings to oversee progress in essential parts of the chapter.
- Led chapter of 30+ members to work towards goals that improve and promote community service, academics, and unity.