HOANG NGUYEN

1847 Prior Ave, Falcon Heights, MN · 651-354-8107
EMAIL : hoangtn10@gmail.com | WEBSITE : hoangtn10.github.io

EXPERIENCE

WINTER 2018 – PRESENT
SENIOR SOFTWARE ENGINEER, GENERAL DYNAMICS MISSION SYSTEMS

Designed Test Cases and Automated Test Procedures primarily in C and Python. Created many Quality of Life scripts to monitor system statuses and automate menial tasks. Received 5 Mission Excellence Awards.

SPRING 2016 – WINTER 2018
SOFTWARE ENGINEER, CALIX INC

Program, build, and load custom OSs on embedded platforms. Promoted to be the group's Northbound Interface Owner. Coded primarily in C/Yang.

FALL 2014 – SPRING 2016
TIER II SUPPORT, CARLSON SCHOOL OF MANAGEMENT

Repaired laptops of broken parts and helped students install educational software, as well as supporting and troubleshooting classroom equipment. Made use of special ticketing software, and created a printer monitoring web app using PHP.

EDUCATION

FALL 2013 - SPRING 2016
COMPUTER SCIENCE, UNIVERSITY OF MINNESOTA – TWIN CITIES

Selected Upper Division Track Electives of Networking and Security. Graduated with a GPA of 3.77.

SKILLS

- Experienced in both Software Development and Software Verification for Embedded Systems
- Experienced in C, Python, YANG, Java, YML, PHP, JavaScript, HTML, Scheme, SQL, TCL, DXL, Bash, …
- Made use of Jira, Git, Make, Bitbake, GDB, Wireshark, …
- Fluent in English and Vietnamese

ACTIVITIES

Designed a personal website from scratch, using pure HTML, JavaScript, and CSS. Programmed multiple games such as 2048 with sliding animation, Sudoku with Backtracking CSP, able to solve any puzzle board efficiently, and Connect4 with Minimax algorithm.