**BRIAN PHAN**

Corvallis, Oregon – Phone: 541-360-9231 – xuanbach1307@gmail.com – <https://linkedin.com/in/bach-phan-58530b1b0> – https://bachsofttrick.github.io

Experienced software engineer with a robust background in Linux systems and web technologies. Proven expertise in maintaining and developing complex systems, including inventory systems and applications for large-scale use. Exploring projects that align with personal interests and passions. Committed to continuous learning and development.

**EDUCATION**

**Oregon State University** (expected) 9/ 2025

*Master of Engineering, Computer Science*Corvallis, Oregon, USA

**Ho Chi Minh University of Technology**

*Bachelor of Engineering, Electrical Engineering and Telecommunications*Ho Chi Minh

Viet Nam

**WORK EXPERIENCE**

**OSU EXTENSION SERVICE OUTDOOR SCHOOL** 9/2024 – Now

Corvallis, United States – Web Assistant

* Maintenance on the portal through which school districts and teachers can access the application, reporting systems, resources for developing outdoor school programs
* Technology migration: From Umbraco 8 to Drupal 10 to improve stability, performance

**ICC INNOVATIVE CONSULTING** 11/2020 – 11/2022

Ho Chi Minh City, Vietnam – Full Stack Developer

* Maintained DMS (distribution management system), a business management solution for Business-to-business sales, used by 12 companies. Specialized in promotion/deal calculation function
* Made improvements to the shipper activity generation algorithm that sped up its runtime by 96x
* Programmed a social security app offering relief packages during COVID-19 and its delivery tracking system (An Sinh), utilized by about 9 million citizens of the city
* Assisted in the development of an eCommerce platform

**ENGINEERING AND PRODUCTION APPLICATION SINGLE MEMBER CO., LTD (TECAPRO)** 6/2018 – 8/2018

Ho Chi Minh City, Vietnam – Intern

* Studied programming on embedded devices and Linux
* Embraced software development environment and mindset

**PROJECTS**

**OBJECT DETECTION AND MONITORING THROUGH UAV** – [Thesis](https://github.com/bachsofttrick/dronectrl-with-tracking/blob/master/thesis.pdf) - [Code](https://github.com/bachsofttrick/dronectrl-with-tracking)

* Use a custom drone for searching, identifying, and following a designated object while transmitting images to any RTSP-compatible device.

**SKILLS**

* Experience in Linux distributions (Ubuntu, Debian, Fedora, Arch), Git version control, shell scripting, basic networking, and computer diagnostic and repair.
* Strong knowledge of web technologies (REST API), database (MySQL, MongoDB), containerization (Docker), virtualization (KVM, VPS), web hosting (PHP).
* Office Skills: Proficient in Microsoft Office Suite (Word, Excel, Outlook), Data Entry
* Professional Skills: Project Management, Documentation, Self-Motivation, Independent Work Ethic, Willingess To Learn.

**REFERENCES**

* **Hoang Nguyen**: Senior Software Engineer / Development Team Leader - [hoang.nguyen142536@gmail.com](mailto:hoang.nguyen142536@gmail.com) - (+84)93-416-2993
* **Hai Hoang Ho**: Senior Software Engineer - [hhhai0304@gmail.com](mailto:hhhai0304@gmail.com) - (+84)86-860-3494