**BRIAN PHAN**

Corvallis, Oregon – Phone: 541-360-9231 – xuanbach1307@gmail.com – https://linkedin.com/in/brian-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) 6/2027

*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 – 10/2024

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 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

**PROJECTS**

**REVERSI: MINIMAX VS MONTE CARLO** – [Paper](https://github.com/bachsofttrick/reversi-ai531/blob/master/paper.pdf) -[Code](https://github.com/bachsofttrick/reversi-ai531)

* Compare performance of two algorithms against several games of Reversi, varying in board size, tree depth, iteration count, using multithreading.

**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**

* Frontend: React, Vue. Backend: .NET, NodeJS, NestJS, ExpressJS
* Database: MySQL, MongoDB, SQLite, Redis
* Scripting: Bash, Python. Version Control: Git, GitHub, GitLab
* Container & Orchestration: Docker, Rancher. Virtualization: KVM, VPS
* Proficient in Linux (Ubuntu, Debian, Fedora, Arch), Windows
* Proficient in Computer Networking, Computer Diagnostic and Repair, Office Skills
* Experience in Electronic Repair