



# Nguyen-Phuc (Phill) Tran

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## EXPERIENCES

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### Research Consultant

Ericsson Inc, Montreal

Aug. 2023 - Present

- Research and design a root cause analysis framework leveraging Python, Generative AI (specifically Large Language Models) to support critical network missions.
- Collaborated with team of domain experts, published 3+ internal documents and codes; one patent, 2 conference papers and 1 journal paper.

### Research Consultant

Ciena Inc, Montreal

Sep. 2021 - Jul. 2023

- Maintain and develop a 5G/B5G network slicing simulation utilizing C++ and Python along with Omnet++.
- Research and implement AI-driven algorithms for the service assurance to optimize network resources up to 54.85% and reduce operating costs.
- Collaborated with technical experts, transferred knowledge and codes; 1 conference paper and 1 journal paper.

### Senior full stack developer

Egopulse & Silentium VN,  
HCM

Aug. 2018 - Jun. 2021

- Collaborated with a team of engineers to design, develop, test, deploy, and upgrade a microservices-based solution to ensure scalability and reliability for doctor-patient communication and clinic administration.
- Ensured continuous integration and deployment (CI/CD) remained operational by designing comprehensive test plans for new features and maintaining up-to-date unit tests, system tests, and end-to-end test scenarios.
- Performed code reviews to assist team members in minimizing code-related issues and ensuring adherence to coding standards and best practices.
- Assisted new team members in onboarding and becoming familiar with our software systems and development workflow.
- Tech stack: Docker, Java, GoLang, NodeJs, ReactJs, ReactNative, Python, Playwright, Mongodb, Message-Queue.

### Software Developer

DEK Technologies, HCM

Jun. 2017 - Aug. 2018

- Develop and maintain core middleware for high availability framework based on the Open-SAF architecture for Ericsson network using C++, Python, Java and Bash.
- Participate in code reviews and provide feedback.
- Integrate core middleware on different cloud environments.
- Participate in automated build and deployment processes.
- Support the release activities and documentation.
- Tech stack: C++, Python, Bash, Jenkin, Java, Docker.

## EDUCATION

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### Concordia University, Montreal

Fall 2021 - Present

Ph.D. in Computer Science

GPA: x/x

Awards: Concordia International Tuition Award of Excellence, INNOV-R and NSERC research fellowship (2023-2025), Mitacs research fellowship (2021-2023), Concordia FRS bursaries.

### University of Information Technology - VNUHCM

Fall 2017 - Fall 2020

Master of science in Computer Science

GPA: x/x

### Dong Nai Technology University

Fall 2013 - Summer 2017

Bachelor of Engineering in Information Technology

GPA: x/x

Awards: 1st prize of Vietnam Maker Contest with Intel Galileo 2nd, Medal of Creative from Ho Chi Minh

## SKILLS

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**Languages:** Python, Java, JavaScript/TypeScript, GoLang, SQL, NoSQL, C/C++,  $\text{\LaTeX}$ , Bash, HTML/CSS.

**Frameworks:** Micronaut, ReactJS, ReactNative, NodeJs, Playwright, MFC, Pandas, Tensorflow, Numpy, Scikit-learn, Git, Docker, Gitlab CI/CD, Jenkins, MySQL, Redis, MongoDB.

**Natural Languages:** English (fluent), French (intermediate), Vietnamese (native)