

# PHONG (JULIAN) NGUYEN

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## EDUCATION

**CONNECTICUT COLLEGE**, *New London, CT*

BA expected May 2024

**Majors:** Computer Science and Economics

**Majors GPA:** 4.00

**Minor:** Applied Statistics

**Honors and Awards:** Dean's High Honor

## TECHNICAL SKILLS

- **Languages:** Java, Python 3, JavaScript, HTML & CSS, SQL
- **Platforms:** Kubernetes, OpenStack, Docker
- **Frameworks:** Spring Boot, React Native, Express, Ansible
- **Version Control System:** GitLab, GitHub
- **Operating System:** MacOS, Windows, CentOS7, Ubuntu
- **Databases:** MySQL, MariaDB, PostgreSQL, MongoDB, etcd

## PROFESSIONAL EXPERIENCE

**Cloud Engineer Intern**, *Viettel Network, Hanoi*

April 2021 – Present

**Technologies:** Kubernetes, Jenkins, Docker, Ansible, Bash, Go

- Collaborate in migration of VM-based PostgreSQL to Kubernetes with Crunchy Data's Operator by building lab environments and execute usage scenarios, targeting to elevate automation in PostgreSQL administration
- Manage full lifecycle of cloud native applications and Kubernetes resources via KuberSphere platform, diminishing complexity in interactions with cluster.
- Participate in 8-week comprehensive training program on Cloud and DevOps technologies.

**System Engineer Intern**, *Viettel IDC, Hanoi*

Jan 2021 – April 2021

**Technologies:** Docker, Ansible, Python, Bash, QEMU

- Deployed, administrated the developing OpenStack environments in all-in-one and multinode architecture with Kolla-Ansible to simulate production use cases.
- Integrated Prometheus, Grafana to extract, store, and visualize metrics from operating virtual machines, ensuring in-time detection of abnormal patterns.
- Modified Python modules to export system statistics via Libvirt API to supervise performance of running VMs.
- Implemented a distributed Ceph deployment, the software-defined storage solution, alongside with OpenStack to provision fault-tolerant, scalable block storage devices.

**Software Developer Intern**, *Goldengate Corp., Hanoi*

July 2020 – December 2020

**Technologies:** Express, React, React Native, MariaDB, MongoDB, Redis

- Designed and developed the monolithic server-side system of "Fast Deal" - an e-commerce platform targeting on lifestyle products – including database design, business logic implementation, OTP generation, user authentication.
- Developed new features on client-side for AiDriven, a React Native-built e-KYC system, to meet specific business requirements from financial firms, aiming to serve 10000+ employees.
- Published AiDriven to digital distribution platforms for mobile applications, including Apple Store and Google Play.

**Software Developer Intern**, *Credito Corp., Hanoi*

July 2020 – August 2020

**Technologies:** Spring, MariaDB, HTML5, Bootstrap 4, Javascript

- Increased the routes of 123Vay, a production web app offering financial products in Vietnam, by 20%

## PROJECTS

**College Management Web App**

Fall 2020

- Developed RESTful API and UI for a CMS web application utilizing MVC pattern with Spring Boot

**Social Media App**, *Department of Computer Science, Connecticut College*

Spring 2020

- Built a console social network program performing CRUD operations in Java with complex data structures