

# PHONG D. NGUYEN (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

**Relevant Courses:** Data Structures, Discrete Mathematics, Introduction to Computer Science, Calculus B

**VIETNAM-GERMANY HIGH SCHOOL**, Hanoi, Vietnam

Diploma awarded 2019

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python 3, Javascript, HTML, CSS, SQL
- **Frameworks:** Spring Boot, React Native, Bootstrap4, NodeJS
- **Version Control System:** Git, Bonobo Git Server, Github
- **Operating System:** MacOS, Windows, CentOS7, Ubuntu
- **Relational Databases:** MySQL, MariaDB
- **NoSQL Databases:** MongoDB

## WORKING EXPERIENCES

**Software Engineer Intern**, *Viettel IDC, Hanoi*

Jan 2021 – Present

**Technologies:** Docker, Ansible, Python, Bash, VMWare Workstation

- Configure, deploy, and manage Openstack, the global dominant open-source cloud computing software, in All-in-one and Multinode architecture with Kolla-Ansible on CentOS7
- Integrate the real-time monitoring solution Prometheus, and Grafana in order to collect, store, and visualize metrics from Openstack's virtual machines
- Build Python modules to directly extract system statistics via Libvirt API to supervise performance and prevent system failures on running instances

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

July 2020 – December 2020

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

- Designed and developed the server-side system of "Fast Deal" – a on-development e-commerce project targeting on high fashion products – including database design, business logic implementation, OTP generation, etc
- Delivered AiDriven, a cross-platform React Native built e-KYC system aiming to increase productivity and manage workflow of business enterprises to distribution platforms, including AppleStore and GooglePlay
- Integrated and developed new features for AiDriven to meet specific business requirements from MBBank, one of the largest financial institutions in Vietnam

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

July 2020 – August 2020

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

- Increased the routes and pages of 123Vay, a production web app providing details about financial products in Vietnam, by 20%

## ACADEMIC PROJECTS

**College Management Web App**

Fall 2020

- Developed RESTful API and UI for a CMS web application using MVC pattern with Spring Boot
- Minimized application's invulnerability with Authentication and Authorization powered by Spring Security

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

Spring 2020

- Individually built an interactive CLI social network program performing CRUD operations in Java
- Implemented complex data structures including Heap, 2-D Array to track users' activities in temporal order

**Flappy Bird Game**, *Department of Computer Science, Connecticut College*

Fall 2019

- Collaborated to efficiently create a modification of "Flappy Bird" with Python's Zelle GUI