

# VU (PERCY) PHAM

 vupham04.github.io    vu.phamhoang00@gmail.com    +1 717 961 7961

**HACKERRANK:** percy\_pham | **LINKEDIN:** percypham | **GITHUB:** vupham04

## EDUCATION

---

### Dickinson College

Carlisle, PA, U.S.

BS in **Computer Science** and **Quantitative Economics**

Expected Dec 2022

**GPA:** 3.93/4.00; *Major GPA (Computer Science):* 4.00/4.00

**Relevant Courses:** Analysis of Algorithms, Programming Language Structures, Data Structure and Algorithms, Computing Abstractions, Cyber and Information Security, Database Systems

- **Top 30** at 2019 mid-atlantic regional USA ICPC contest
- **Upsilon Pi Epsilon:** Honor Society for Computing & Information Disciplines
- **Alpha Lambda Delta:** Freshman Honor Society
- **Dean's List:** For all semesters

May 2020 – Now  
Jan 2019 – May 2020

## SKILLS

---

**Programming Language:** Java, Python, Bash (proficient), C/C++, JavaScript, Ruby, SQL, HTML, CSS (prior experience)

**Framework/Tool:** FastAPI, Git, Poetry, PyTest, Docker, Jira, SQLAlchemy, Ubuntu, Bootstrap, Ansible, Amazon EC2

## EXPERIENCES

---

### Vingroup Big Data Institute (VinBigData)

Hanoi, Vietnam

*Backend Engineer Intern* (Python, FastAPI, PostgreSQL, Ubuntu, Ansible, Docker, PyTest)

Mar 2021 – Now

- Develop a system to request and share genetic data files using FastAPI, PostgreSQL (for creating API) and OAuth2, attribute-based access control model (for authorization)
- Optimize development time up to 50% by refactoring code and writing tests using PyTest
- Write YAML-formatted Ansible script to automatically deploy and check versions of Spark, Hadoop, and annotating-variants tools such as SnpEff or Ensembl Variant Effect Predictor (VEP)

### Gimasys Co., Ltd.

Hanoi, Vietnam

*Software Engineer Intern* (Java, CSS, HTML, JavaScript, Heroku, [Trailhead](#))

May 2020 – Oct 2020

- Wrote batch classes, triggers, and test cases to configure the Salesforce platform using Apex (Java-like language) and SQL. Built and debugged website using CSS and HTML
- Optimized runtime by debugging and refactoring code, with improvements of up to 50% of the runtime
- Connected & synchronized more than 100,000 data points daily between Salesforce Platform & Vietnam Airlines database using REST API

### NashTech Vietnam

Hanoi, Vietnam

*Software Engineer Intern* (Java, JSP, HTML, CSS)

May 2019 – Aug 2019

- Enhanced and restructured codebase of app & website to be more scalable, wrote test cases using Java
- Participated in Java & JSP training session and courses for interns

## PROJECTS

---

### Personal Portfolio Website (CSS, HTML, JavaScript, Bootstrap, jQuery) [\[link\]](#)

My personal portfolio website, created by using CSS, HTML, JavaScript, and external libraries/frameworks such as jQuery, Bootstrap 4, and Font Awesome toolkit

### Small Projects (Python, Java, Ruby) [\[link\]](#)

A compilation of small projects written in different programming languages: Battleship game (*Ruby*), Ferry Boat schedule (*Java*), Huffman compression scheme (*Java*), Maze Solver (*Java*), and answers to some Leetcode questions (*Python*)

## LEADERSHIP ACTIVITIES

---

### Alpha Phi Omega, Service Chair (Spring 2020), Vice President of Fellowship (Fall 2020)

Carlisle, PA, U.S.

Help with service management and participate in service activities in Carlisle, PA

Jan 2019 - Now