


VU (PERCY) PHAM

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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), JavaScript, Ruby, SQL, HTML, CSS, C++ (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