



VU (PERCY) PHAM

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EDUCATION

Dickinson College

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

GPA: 3.95/4.00; *Major GPA (Computer Science):* 4.00/4.00

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

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

Carlisle, PA, U.S.

Expected Dec 2022

EXPERIENCES

Salesforce

Software Engineer Intern (Java, Swagger API, AWS, Salesforce CDP)

San Francisco, CA, U.S.

May 2022 – Aug 2022

- Helped design a data connector so the streaming pipeline can consume change data events and create data insight
- Spiked the Change Data Feed (CDF) internal library and the DaaS POC setup for the Einstein AI Data Pipeline Team
- Built a handler library that handle C2C token generation and utilize Salesforce CDP API clients to automate setting up Salesforce CDP objects for data hydration

Vingroup Big Data Institute (VinBigData)

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

Hanoi, Vietnam

Mar 2021 – Aug 2021

- Developed a system to request and share genetic data files using FastAPI, PostgreSQL (for creating API), PyTest (for unit tests) and OAuth2, attribute-based access control model (for authorization)
- Wrote 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.

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

Hanoi, Vietnam

May 2020 – Oct 2020

- Configure the Salesforce platform for Vietnam Airlines using Apex (Java-like language) and SQL.
- Connected and synchronized more than 100,000 data points daily between Salesforce Platform and Vietnam Airlines database using REST API

PROJECTS

Wagtail (Python, Django, HTML, CSS, Docker) [<https://github.com/wagtail/wagtail/commits?author=vupham04>]

Wagtail is a free and open-source content management system (CMS) written in Python and built on Django. I helped contribute to the project by cleaning issues list, fixing and reporting bugs

PlatypusOS (C, Bash) [<https://github.com/walnuthanhan/PlatypusOS>]

A simple operating system that implements a shell program with a command line interface and a simple text editor program

Personal Portfolio Website (CSS, HTML, JavaScript, jQuery) [<https://github.com/vupham04/vupham04.github.io>]

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

Coding Projects (Python, Java, Ruby) [<https://github.com/vupham04/Coding-Projects>]

Compilation of coding projects: Battleship game, Ferry Boat schedule, Huffman compression scheme, Maze Solver

LANGUAGES & TECHNOLOGIES

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

Framework/Tool: Ansible, Amazon AWS, Docker, FastAPI, Git, IntelliJ, Salesforce, Ubuntu

LEADERSHIP ACTIVITIES

Alpha Phi Omega, Treasurer

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

Carlisle, PA, U.S.

Jan 2019 - Now