

# VU (PERCY) PHAM

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## EDUCATION

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### 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

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### 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

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**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** (CSS, HTML, JavaScript, Bootstrap, jQuery) [<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

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**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

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**Alpha Phi Omega**, Treasurer

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

**Carlisle, PA, U.S.**

Jan 2019 - Now