

# VU (PERCY) PHAM

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## EDUCATION

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### Dickinson College

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

**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 and Information Disciplines
- **Alpha Lambda Delta:** Freshman Honor Society
- **Dean's List:** For all semesters

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

Expected Feb 2023

May 2020 – Now

Jan 2019 – May 2020

## EXPERIENCES

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### Vingroup Big Data Institute (VinBigData)

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

**Hanoi, Vietnam**

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.

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

**Hanoi, Vietnam**

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 and synchronized more than 100,000 data points daily between Salesforce Platform and Vietnam Airlines database using REST API

### NashTech Vietnam

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

**Hanoi, Vietnam**

May 2019 – Aug 2019

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

## PROJECTS

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### Android Notes Application (Kotlin, Android Studio) [\[link\]](#)

An Android notes application, created by using Kotlin and Android Studio (*still currently working on it*)

### 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

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

A compilation of coding 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)

## LANGUAGES & TECHNOLOGIES

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

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

## LEADERSHIP ACTIVITIES

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

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

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

Jan 2019 - Now