Quan H. Nguyen he/him

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EDUCATION

Bachelor of Science, Computer Science, Gettysburg College, PA   May 2024

- Cumulative GPA: 4.10/4.00; Major GPA: 4.11/4.00 (Dean's Honor List all semesters).
- Receive David Wills Scholarship with a total of $96,000 for 4 years.

SKILLS

Programming Languages: Proficient in Java 8, Python, C#, LaTeX; Basic knowledge of SQL, HTML
Libraries/Frameworks: Tensorflow, Scikit-learn, BeautifulSoup4, Entity Framework
Tools: Visual Studio Code, Eclipse, PostgreSQL, Git Bash

RELATED EXPERIENCE

Teaching Assistant for Introduction to Computer Science II (CS 112)   Jan 2022 — Present
Computer Science Department   Gettysburg College, PA

- Assist Professor in class with helping students debugging, setting up software and IDEs.
- Hold office hours every Thursday to help students with homework.
- Give hint on problems for students from CS 103 (JavaScript, HTML), CS 107 (Python), and CS 111 (Java).

Web Intern   Sep 2021 — Present
Communications & Marketing Office   Gettysburg College, PA

- Crawl major/minor description and requirements from college's website (major minor list), export data as HTML file using Python, BeautifulSoup4, and convert file into a PDF course catalogue.
- Update Gettysburg College's website based on HTML using dotCMS system.

Back-end Development Intern   May — Jun 2021
Maico Group   Ho Chi Minh, Vietnam

- Built minesweeper game using from basic to advance knowledge in C# (Variable types, OOP, Enumeration, Lambda expression, Delegates type)
- Created to-do list, Pomodoro timer using Blazor, a feature of ASP.NET.
- Got familiar with SQL and Entity Framework Core to connect the code with PostgreSQL database.

The Mathematical Contest in Modeling (MCM)   Feb 2021
COMAP   Remote

- Cleaned data by filtering out data with status of "unverified," "unprocessed," and "positive ID" using Excel.
- Mapping the location of Asian Giant hornet with the given longitude and latitude through QGIS. We created buffer using QGIS plugins to visualize the radius of 30km that the hornet can migrate to.

PROJECTS

Course cluster (Github: Course-cluster-IDS90)   Nov 2021
- Create a program combining between CS 112 and Accounting class with advice and help from Professer Clif Presser.
- The program allows user to add income and spending each month and save data in JSON file then export data as PDF file, listing all transactions and a bar chart based on data.

LEADERSHIP EXPERIENCE

Patrol Leader   Jun 2012 — Jun 2020
Pathfinder Scouts Vietnam (PSV)   Ho Chi Minh, Vietnam

- Joined 11 troop camps and survival camps.
- Led a team of five participating in three national jamborees and an International Patrol Jamboree in Korea (2018).
- Trained nine new scouts who then became prominent scouts and outstanding leaders.

ACTIVITIES

- Clubs: Association for Computing Machinery (ACM) club, Vietnamese Student Association (VSA).
- Interests: music, guitar, swimming, machine learning.