Mai (Amelia) Dao

EMAIL: hoangmai.3715@gmail.com | **PHONE**: (717) 385-6366
GITHUB: amelia291 | **LINKEDIN**: Amelia Dao | **WEBSITE**: amelia291.github.io

EDUCATION & HONORS

Dickinson College, *Carlisle, PA*   Fall 2019 - Winter 2022
Bachelor of Science in Computer Science   **GPA: 3.92/4.0**

Relevant coursework:
- Principles of Object-Oriented Design, Data Structures and Problem Solving, Tools and Techniques for Software Development, Computing Abstraction, Front-End Web Development (Udacity Nanodegree).

WORK EXPERIENCE

Sotanext, *Software Engineering Intern***,** *Hanoi, Vietnam*   *June 2020 – August 2020*
- Work with a team of 5 people to build a mobile app with **React Native** to enable end-users to validate origins of grocery items.
- Manage the database of the products and cultivation processes of 2 farms in Vietnam with **MySQL**.

Dickinson College, *Math/CS Teaching Assistant***,** *Carlisle, PA*   *April 2020 - present*
- Help professors guide 36 students in approaching Object-Oriented Programming and Calculus by explaining concepts during lab sessions and through daily activities sheet.
- Assist students taking Computer Science courses with homework and exercises during weekly office hours by explaining Python and Java concepts.

SELECTED PROJECTS

Chat App, *amelia-chat-app.herokuapp.com*   *Node.js*
- Build a real-time chat application with **Node.js and Socket.io** to facilitate bi-directional communication between web clients and server.
- Enable instant location sharing with **Geolocation API** and render messages on the screen with **Mustache web template** and related libraries.
- Allow current users and chat rooms for simultaneous conversations.

Task App, *github.com/amelia291/task-manager-api*   *Node.js*
- Use **MongoDB** database with **Node.js** to store data in a secure and reliable way.
- Apply **user authentication** to allow separate users having access to their tasks only.
- Use **Postman** to manage and test **REST API.**

Weather App, *dao-weather-app.herokuapp.com*   *Express.js*
- Set up Node server with **Express.js** and fetch weather data through **Weatherstack.com API.**
- Convert user-provided location into coordinates using data fetched from **Mapbox.com API.**
- Serve up the webpage using **Handlebars templates** for dynamic pages and **Bootstrap** for responsive layout.

Personal Website, *amelia291.github.io*   *HTML/CSS*
- Operate a website written from scratch using **HTML, CSS, and JavaScript** to showcase side projects.
- Utilize **Bootstrap 4** as the framework for responsive layout.

TECHNICAL SKILLS

Programming Languages: Python, HTML, CSS, Java, JavaScript
Technologies: Node.js, Express.js, Bootstraps, React Native, MongoDB
Environment: Linux, VS Code, PyCharm, Eclipse

RELEVANT ACTIVITIES

Hackathon - 2020 IvyHacks
Dickinson College Programming Club, *Carlisle, PA*   *January 2020 – Present*
Dickinson College Math/CS Club, *Carlisle, PA*   *September 2019 – Present*