Vy Tran

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EDUCATION

Bucknell University | Lewisburg, PA • GPA: 3.98　　　　　　　　　　　　　　　　*Expected, May 2025*
Bachelor of Science in Computer Science
Relevant Courses: Data Structures & Algorithms, Full-stack Web Application, Backend Development, Software Engineering, Mobile Application, Computer Organization
Awards: Dean's List, George Morris Philips Prize for freshman with the highest standing in Math

EXPERIENCE

Nobee - Backend Developer Intern　　　　　　　　　　　　　　　　　　　　　*Summer 2023* - now
- Work with a team of 3 engineers to build new features and enhance users' experience on a rental marketplace
- Redesign data models to efficiently store rental properties using MySQL
- Optimize request response time for users searching queries and improve browsing experience
- Integrate the database with the Algolia platform through APIs, ensuring real-time synchronization and providing users with up-to-date housing data for efficiency

Ready, Set, Fit app - Full-stack Developer　　　　　　　　　　　　　*Summer 2022* - Spring 2023
- Built a web application from scratch for an existing fitness mobile app
- Designed a new data model to store geographical data, including walking trails, maps, and calories tracking
- Authored comprehensive documentation for newly developed features, providing clear and concise instructions for seamless integration and facilitating effective adoption by users

Bucknell's Teaching & Learning Center - Tutor　　　　　　　　　　　*Fall 2022 - Spring 2023*
- Tutored over 30 students with lab projects in CS courses: Python and Data Structures & Algorithms
- Led over 50 weekly Math Help Sessions to helped 20 students with Calculus I, II, and III

SOFTWARE & DESIGN PROJECTS

Social Media Full-stack App, *MERN stack, Redux, Material-UI*　　　　　　　　*Summer 2023*
- Developed API server to handle key functionalities like user authentication, viewing profile, creating/updating/deleting posts, adding comments, following users, etc
- Applied MongoDB to handle relationship between User and Post models

Royal Cinema Web App, *ReactJS, Firebase, Tailwind*　　　　　　　　　　　　　*Spring 2023*
- Built a website displaying latest movies fetched from IMDb database and supporting online tickets booking
- Implemented key features like movie selection, seat reservations, payment, and authentication using Firebase

Food Ordering App, *Swift*　　　　　　　　　　　　　　　　　　　　　　　*Fall 2022*
- Designed an iOS app suggesting restaurants and dishes based on category, popularity, and rating
- Implemented real-time features allowing users to update their shopping items and view total charges

Minesweeper Game, *Java, JavaFX*　　　　　　　　　　　　　　　　　　　　*Fall 2022*
- Collaborated with four students to build a modern version of Minesweeper with advanced features
- Developed the Model and Controller components in the project's MVC pattern

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, Typescript, Go, Swift, C
Frameworks and Tools: MERN, MySQL, PostgreSQL, Firebase, Prisma, Redux, Django, HTML, Git