

# KHANH (ANDREW) NGUYEN

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## EDUCATION

Brandeis University, Waltham, MA Aug 2020 - May 2024  
B.S. in Computer Science and Business

- GPA: 3.948, Dean's List
- Relevant courses: Data Structures, Mobile App Development, Software Engineer for Scalability

## EXPERIENCE

**Computer Science Department**, Brandeis University Sep 2021 – Dec 2021  
*Teaching Assistant for Advanced Programming Techniques in Java*

- Evaluated 8 students' assignments weekly and gave feedback by analyzing their coding skills
- Assisted students with understanding class materials on Java and Object-Oriented Programming

**FPT Information System**, Hanoi, Vietnam Nov 2020 – Aug 2021  
*Software Engineer Intern*

- Collaborated with other interns and 3 engineers to integrate ERP systems for 2 national firms
- Redesigned core operation and authorization management to improve security and system control
- Developed and frequently debugged more than 20 modules on both front end, back end, and database
- Leveraged Knowledge: Angular, C#, .NET, MySQL, UI/UX design, Git, SVN, API

## PERSONAL PROJECTS

**Word Connecting Game**, word-connecting.web.app Jan 2022

- Designed and optimized Prefix Tree by 40% serialization storage efficiency using Radix Tree
- Leveraged Knowledge: Data Structures, Optimization, ReactJS, Firebase, Git

**Blog**, andrewcancode.com Dec 2021

- Designed and implemented CRUD operations for blog posts using M.E.R.N stack framework
- Leveraged Knowledge: JavaScript, ReactJS, ExpressJS, NodeJS, MongoDB, Heroku, Firebase, Git

**Find My Major Mobile Application**, [github.com/khanhnguyenvinh2002/findMyMajor](https://github.com/khanhnguyenvinh2002/findMyMajor) Nov 2021

- Developed an application to help college students find their majors using React and React Native
- Leveraged Knowledge: HTML/CSS, React Native, React Hooks, Git

**The Coffee Venture Social Media Platform**, coffee-venture.web.app Mar 2021 – May 2021

- Designed and developed over 15 services, controllers, and models on both front-end and back-end
- Improved security by developing role-based authorization and modules management system
- Constructed and optimized the MS SQL DBMS connection using Entity Framework
- Leveraged Knowledge: HTML/CSS, Angular, C#, .NET Core, MS SQL, UI/UX design, Git, Azure

## GROUP PROJECTS

**GiantSteps Investment Platform**, start-up, giantsteps.studio May 2021 – Nov 2021

- Constructed concept of allowing public to invest in, trade shares of content creators like stock market
- Collaborated to build the website and landing page using React and Figma

**Car Helper Leasing Platform**, car-helper-team.web.app Oct 2021- Dec 2021

- Developed a platform to offer cheap second-hand car leasing for international students
- Collaborated to apply lean start-up techniques and built landing page using React and Google Sheets

## SKILLS

**Coding languages:** Java, C#, JavaScript, SQL, NoSQL, TypeScript, Python, HTML5, CSS/SASS, C++  
**Frameworks:** Angular, React, React Native, ExpressJS, MongoDB, MS SQL, MySQL, .NET Core, Junit  
**Other tools:** Visual Studio, NodeJS, SVN, Visual Studio Code, Eclipse, Azure, Git, Heroku, Firebase