

# DANG (DANNY) PHAN

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## EDUCATION

**Brandeis University** – Waltham, MA

Aug 2018 - May 2022

Bachelor of Science – Computer Science, Economics

GPA: 4.0/4.0

**Honors:** Dean's List (all semesters)

**Relevant Coursework:** Object-Oriented Programming, Data Structures, Structure and Interpretation of Computer Programs, Artificial Intelligence, Database Management Systems, Operating Systems, Capstone Project for Software Engineering

**Budapest University of Technology and Economics** – Budapest, Hungary

Jun – Jul 2019

Study Abroad – Mobile Software Development

Grade: A+

## SOFTWARE SKILLS

**Programming Languages:** Java, Go, Python, Ruby, SQL, Scheme

**Web Development:** HTML, CSS, JavaScript, jQuery, TypeScript, React, Express, Node.js, Rails, Angular, Redux, Flask

**Mobile Development:** Kotlin, Retrofit, Room Persistence Library, React Native, React Navigation

**Tools:** MySQL, PostgreSQL, MongoDB, SQLite, Amazon S3, gRPC, Docker, VirtualBox, Java Swing, Git, Heroku

## EXPERIENCE

**Teko Vietnam Technology JSC.** – Hanoi, Vietnam

Jul 2020 – Present

Software Engineer Intern

- Collaborate with Project Leaders to redesign and build an HR Performance Review system supporting 1000+ bi-annual reviews with Go, gRPC, MySQL, Docker, and React using Ubuntu (Linux)
- Streamline the review process and employee management with additional features such as automatic review cycles initiation, organization chart, and editable review form templates

**Brandeis Skunkworks Initiative** – Waltham, MA

Jan 2019 – May 2020

Software Engineer

- Simplified the course scheduling process by building the Teacher Preferences page for Brandeis Administration Course Scheduling website using React with Redux
- Enhanced product usability by conducting research with department representatives and designed the UI/UX with Adobe XD

**CONERA** – Hanoi, Vietnam

Jul – Aug 2019

Software Engineer Intern

- Learned full-stack web development within one month under CTO's guidance
- Developed an Event Management website using Angular, Python Flask, and MySQL allowing event coordinators to update monthly events, check in attendees using QR Code via WebRTC, and gather post-event demographic data and reviews

## RECENT PROJECTS

**Vietnamese Spelling Wizard** – Hanoi, Vietnam

Jul 2020 – Present

- Win First Prize in FPT Group's FTI Growth Hacking Challenge 2020 with a minimal viable product of a Vietnamese Spelling application for children using FPT AI's Text-To-Speech API and Node.js
- Build the final product and launch for commercial use with the company's technology and marketing team

**Masterful** – Hanoi, Vietnam

Jun 2020 – Jul 2020

- Created a virtual learning application that allows experts to create and organize online courses with a scheduler and allows learners to take lectures via video conferencing (Jitsi Meet API)
- Designed the UI/UX with Adobe XD and developed both a web version with the M.E.R.N. stack and a cross-platform mobile version with React Native to maximize the application's accessibility
- **Technologies used:** React, Express, Node.js, MongoDB, React Native, Heroku

**Brandeis Rate My Professor** – Waltham, MA

Jan 2020 – May 2020

- Led a Scrum/Agile team to build a mobile-friendly Course Evaluation web application inspired by ratemyprofessors.com with Brandeis dataset serving 3000+ students
- Implemented the Administrator Dashboard, Course Matching algorithm, Ask-and-Advice messaging platform with Push Notification, as well as Profile Picture and Social Login support with Google & Facebook OAuth
- **Technologies used:** Ruby on Rails, WebSocket, Redis, Amazon S3 (AWS), PostgreSQL, Bootstrap, Heroku

## LEADERSHIP

**Brandeis Computer Science Department** – Waltham, MA

Aug 2019 – Present

Teaching Assistant (Programming in Python, Discrete Structures, Structure and Interpretation of Computer Programs)

**Brandeis Korean Student Association** – Waltham, MA

Aug 2018 – Present

Digital Media & Publicity Chair