

DANG (DANNY) PHAN

dannyphan@brandeis.edu | (650) 265-0696 | dannyphan2910.github.io | github.com/dannyphan2910 | linkedin.com/in/dannydangphan

EDUCATION

Brandeis University – Waltham, MA	Aug 2018 - May 2022
Bachelor of Science in Computer Science and Economics , minoring in Mathematics	GPA: 4.0/4.0
<ul style="list-style-type: none">• Honors: Dean's List (all semesters)• Relevant Coursework: Object-Oriented Programming, Data Structures, Functional Programming, Artificial Intelligence, Database Management Systems, Operating Systems, Capstone Project for Software Engineering	
Budapest University of Technology and Economics – Budapest, Hungary	Jun 2019 – Jul 2019
Study Abroad – Mobile Software Development	Grade: A+

SOFTWARE SKILLS

Programming Languages: Java, JavaScript, TypeScript, Go, Python, Ruby, SQL, Scheme

Web Development: HTML, CSS, jQuery, Bootstrap, React, Express, Node.js, Ruby on 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, CodeShip

EXPERIENCE

Teko Vietnam Technology JSC	Hanoi, Vietnam
<i>Software Engineer Intern</i>	Jul 2020 – Present
<ul style="list-style-type: none">• Reduce annual HR overhead costs by 20% by building an HR management system supporting 1000+ bi-annual reviews and 300+ employees in a three-member Agile team for four internal stakeholders using Go, MySQL, Docker, React, and Ubuntu (Linux)• Spearheaded three major employee management features while successfully meeting the tight two-month deadline• Pinpointed and resolved over five algorithmic and database errors by correctly debugging 500+ lines of code with parallel unit tests	
Brandeis Computer Science Department	Waltham, MA
<i>Teaching Assistant (Programming in Python, Discrete Structures, Functional Programming)</i>	Aug 2019 – Present
<ul style="list-style-type: none">• Organize and lead recitations, weekly office hours, and review sessions for 200+ undergraduate and graduate students• Received 20+ positive feedback from assisting students with code reviews and challenging problems in on-demand tutor sessions	
Brandeis Skunkworks Initiative	Waltham, MA
<i>Software Engineer</i>	Jan 2019 – May 2020
<ul style="list-style-type: none">• Integrated an automated scheduler web application with four students using React and Node.js, cutting course scheduling processing time for university administrators from four months to one month• Effectively redesigned the UI/UX with Adobe XD and conducted surveys with 15 representatives, acquiring a 100% approval rate	
CONERA JSC	Hanoi, Vietnam
<i>Software Engineer Intern</i>	Jul 2019 – Aug 2019
<ul style="list-style-type: none">• Improved the client's event management efficiency by 100% by single-handedly building a flexible event organization application• Initiated the development of supplementary features including QR-enabled check-ins and post-event demographic statistics report	

RECENT PROJECTS

FTI Growth Hacking Challenge 2020 (First Prize)	Jul 2020
<ul style="list-style-type: none">• Implemented a prototype of a Vietnamese Spelling application using Node.js and Text-To-Speech API and presented it to five lead engineers of FPT Group, a leading information technology service enterprise in Vietnam with \$1.2M annual revenue.• Devised an algorithm to decompose each Vietnamese word to its phonetic transcription in $O(n)$ using either Python or JavaScript	
Masterful	Jun 2020 – Jul 2020
<ul style="list-style-type: none">• Created a virtual learning application for educators and learners to interact via video conferencing (Jitsi Meet API)• Programmed both a web version with the M.E.R.N. stack and a cross-platform mobile version with React Native• Technologies used: React, Express, Node.js, MongoDB, React Native, Heroku	
Brandeis Rate My Professor	Jan 2020 – May 2020
<ul style="list-style-type: none">• Established a Scrum/Agile team to build a mobile-friendly Course Evaluation web application serving 3000+ Brandeis students• Launched 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, CodeShip (CI/CD)	
Unix Command Line in Java	Mar 2020
<ul style="list-style-type: none">• Coded a Unix-like Shell supporting File System Commands, Text Operations, Redirection, Piping, and Background Processes• Utilized Java Multithreading, Object-Oriented Programming, and System Calls to optimize code and lessen execution time	