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*   *June 2019 – July 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, Bootstrap, 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, CodeShip

EXPERIENCE

Teko Vietnam Technology JSC. – *Hanoi, Vietnam*   *July 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)
- Reduce HR overhead costs by an estimated 20% by streamlining 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 task by building the Teacher Preferences page for Brandeis Administration Course Scheduling website using React with Redux, decreasing processing time from four months to one month
- Enhanced product usability by conducting research with 15 department representatives and designed the UI/UX with Adobe XD

CONERA – *Hanoi, Vietnam*   *July 2019 – Aug 2019*
Software Engineer Intern
- Learned full-stack web development within one month under CTO's guidance using Angular, Flask, Python, and MySQL
- Expanded the company's event management system by implementing a website 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

FTI Growth Hacking Challenge 2020 (First Prize) – *Hanoi, Vietnam*   *July 2020*
- Built a prototype of a Vietnamese Spelling application using Node.js and presented it to a panel of FPT's lead engineers
- Devised an algorithm to decompose each Vietnamese word to its phonetic transcription in $O(n)$ with Python and JavaScript

Masterful – *Hanoi, Vietnam*   *June 2020 – July 2020*
- Created a virtual learning application for educators and learners to interact via video conferencing (Jitsi Meet API)
- Developed 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 – *Waltham, MA*   *Jan 2020 – May 2020*
- Led 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 – *Waltham, MA*   *Mar 2020*
- 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

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