Jin Young (Alex) Bang

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EDUCATION

Boston University   **Expected May 2022**

Bachelor of Arts in Computer Science | GPA: 3.85/4.00

- Awards & Honors: Trustee Scholar: Full Tuition Merit Scholarship, Dean's List (All semesters)
- Relevant Coursework: Intro to Python, Data Structures, Combinatoric Structures, Linear Algebra, Computer Systems, Probability in Computing, Algorithms, Computing Systems, Machine Learning (in progress)

EXPERIENCE

Boston University   **January - May 2020**

CS 111: Intro to Computer Science - Course Assistant

- Conducted weekly office hours and lab sections to assist ~20 students to learn computational problem-solving skills and fundamentals of programming in Python

PT Mass Rapid Transit Jakarta   **June - August 2019**

Software Engineering Intern, Information System and Technology Team

- Designed REST API controllers and validators for Knowledge Management System (KMS), an internal tool dedicated to storing and accessing knowledge, increasing efficiency in employee's workflow
- Modified file uploading process of KMS from base64-encoding to direct file upload, leading to a decrease in file upload size by 23%
- Integrated back-end of CRUD file system with taxonomy structure, streamlining data management
- Re-designed and simplified existing user interface for General Affair Asset System using React.js

BostonHacks   **March 2019 - Current**

Software Developer / Organizer

- Developing an open-source registration portal, Project Cacioepepe, using Vue.js, Node.js, and Firebase
- Designed and planned Cacioepepe's Firebase Database schemas for applications and types of users
- Implemented a firebase function where sponsors can download resumés of all hackers as a ZIP file, saving ~98% of manual download time
- Co-built automation script that deploys static projects through AWS S3, simplifying deployment process

PROJECTS

Randoggo   **October 2019 - January 2020**

- Built a subscription-based web application that sends daily GIFs of dogs to subscriber's email via Python's Simple Mail Transfer Protocol module (smtplib), Flask, MongoDB and Heroku
- Reduced utilization of resources within mail-sending script's dyno instance by implementing Heroku Scheduler add-on

SpareChange   **September 2019**

PennApps XX | Capital One Best Financial Hack Winner

- Created a mobile application that accumulates leftover money from every purchase made and uses accumulated money to donate to charities and non-profits
- Secured business logic and credentials away from the app using Google Firebase Cloud Functions

Down to Dine   **February 2019**

HackNYU 2019 | Finance Empowerment Track Winner

- Led a team of 3 to develop and deploy a web application on Amazon Web Services which helps users reduce spending by providing budget-considerate restaurant recommendations
- Used Google Maps & Geocode and Zomato API, and further devised API request/response to return personalized result for user based on custom restaurant searching algorithm

SKILLS

Languages/Programming: Python, Java, Javascript, C, HTML, CSS, Ruby

Framework and Tools: Flask, NodeJS/ExpressJS, MongoDB, Heroku, AWS (EC2, S3), Selenium, Git, Firebase