

Jin Young (Alex) Bang

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Education

Boston University | B.A. Computer Science | GPA: 3.85

Expected May 2022

- Awards and Honors: Trustee Scholar (Full Tuition Merit Scholarship) | Dean's List (All Semesters)
- Relevant Coursework: Data Structures, Combinatoric Structures, Geometric Algorithms, Computer Systems, Probability in Computing, Analysis of Algorithms, Computing Systems

Experience

Boston University | CS 111: Intro to CS – Course Assistant

Jan 2020 – May 2020

- Conducted weekly office hours and lab sections to assist CS 111 students learn computational problem-solving skills and fundamentals of programming in **Python**

PT Mass Rapid Transit Jakarta | Software Engineering Intern

Jun 2019 – Aug 2019

- 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 | Software Developer / Organizer

Mar 2019 – Current

- Developing an **open-source registration portal**, Project Cacioepepe, using **Vue.js**, **Node.js**, and **Google Firebase**
- Designed and planned Cacioepepe's Firebase Database schemas for applications and different type of users
- Implemented a Firebase function where sponsors can download resumés of all hackers as a ZIP file

Projects

Randoggo

Oct 2019 – Jan 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**)
- Reduced utilization of resources within mail-sending script's dyno instance by implementing **Heroku** Scheduler add-on

SpareChange | PennApps XX – Capital One Best Financial Hack Winner

Sep 2019

- Created a cross-platform app that accumulates change from every purchase made, then uses accumulated money to donate to charities and non-profits
- Secured business logic and credentials away from the app using **Google Firebase Serverless Cloud Functions**

Down to Dine | HackNYU 2019 – Finance Empowerment Track Winner

Feb 2019

- 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 (most proficient), Java, JavaScript, C, HTML, CSS

Framework and Tools: Flask, Node.js/Express.js, React.js, MongoDB, Heroku, AWS (EC2, S3), Selenium, Git, Firebase