

JIN YOUNG (ALEX) BANG

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EDUCATION

Boston University | Boston, MA

Expected May 2022

Bachelor of Arts in Computer Science | GPA: 3.83

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

WORK EXPERIENCE

Boston University | CS 111: Intro to Computer Science - Course Assistant

January 2020 - Current

- Conduct 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

June 2019 - August 2019

- Designed 6 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

PROJECTS

Cacioepepe

January 2020 - Current

- Developing an open-source registration portal using Vue, Node, and Google Firebase
- Designed 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

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)
- 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

ACTIVITIES & LEADERSHIP

Phi Chi Theta | Vice President of Internal Development

January 2020 - Present

- Coordinate information sessions and office visits with recruiters and employees in the Boston Area

BostonHacks | Head of Internal & Technology Organizer

March 2019 - Present

- Developed open source automation script that deploys static websites to Amazon Web Services using an S3 bucket through Python and Boto3 to simplify deployment process for users

SKILLS

Languages and Frameworks/Tools: Python, Java, Javascript, Node.js, Flask, React.js, HTML, CSS, AWS (EC2, S3), Git, MongoDB, C, Heroku