

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: Introduction to Computer Science, Data Structures, Combinatoric Structures, Geometric Algorithms, Computer Systems, Probability in Computing

WORK EXPERIENCE

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 retrieving 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 and searching
- Re-designed and simplified existing User Interface for General Affair Asset System using React.js

PROJECTS

Tripster

February 2019 - April 2019

- Built dynamic trip planning web application that recommends places to visit based on user input with Yelp and Google Maps API, MongoDB, Express.js, React.js, Node.js
- Devised path finder algorithm that accommodates additional user inputs for generating a visual road trip route
- Designed front-end of application working with open source CSS framework, Bulma, and React.js

Spotiface

February 2019 - March 2019

- Created web application that plays a song on Spotify in correlation to current mood detected by webcam using Microsoft Azure Face Detection API, Spotify API, Python, Flask, and OpenCV
- Incorporated OpenCV's webcam source code (Python) for facial recognition

Down to Dine

February 2019

HackNYU 2019 | Finance Empowerment Track Winner

- Led a team of 3 to develop a web application which helps users reduce spending by providing budget-considerate restaurant recommendations in less than 48 hours
- 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
- Deployed Flask web application on EC2 instance through Amazon Web Services

ACTIVITIES & LEADERSHIP

BostonHacks | Technology Organizer

March 2019 - Present

- Currently building Open-Source Project, Flash, a python script that automatically deploys Full Stack projects in an EC2 instance or S3 bucket
- Developed automation script that deploys static websites to Amazon Web Services using an S3 bucket through Python and Boto3 to simplify deployment process for users

Phi Chi Theta - Zeta Chapter | Technology Team

December 2018 - Present

- Constructed projects and applications (Tripster, Spotiface) to emphasize and improve team work by doing collaborative code reviews and pair programming
- Hosted mini hackathons and technology-related workshops within organization, inducing 3 student-led completed projects

SKILLS

Languages and Frameworks/Tools: Python, Java, Javascript, Node.js, Flask, React.js, SQL (MySQL, PostgreSQL), HTML/CSS, AWS (EC2, S3), Git