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 Python, Data Structures, Combinatoric Structures, Geometric Algorithms, Computer Systems, Probability in Computing

WORK EXPERIENCE

Microsoft | Incoming Software Engineering Intern   **May 2020 - August 2020**
- Accepted offer for Summer 2020 to be part of Microsoft Garage Internship program at NERD Center

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
- Re-designed and simplified existing user interface for General Affair Asset System using React.js

PROJECTS

SpareChange   **September 2019**
PennApps XX | Capital One Best Financial Hack Winner
- Created a mobile app that accumulates leftover money from every purchase made and uses accumulated money to donate to charities and non-profits
- Implemented Node.js backend function that rounds up spending from each purchase to nearest dollar and transfers it to another bank account through Capital One's Nessie Hackathon API
- Secured business logic and credentials away from the app using Google Firebase Cloud Functions

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 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

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

BostonHacks | Technology Organizer   **March 2019 - Present**
- 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

SKILLS

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