

Gagandeep Kang

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EDUCATION

BOSTON UNIVERSITY

BA IN COMPUTER SCIENCE AND MATHEMATICS

May 2022 | Boston, MA
Cum. GPA: 3.86 / 4.0

Awards and Honors:

Dean's Honor List (Fall 2018,
Spring 2019, Fall 2020,
Spring 2020)

COURSEWORK

UNDERGRADUATE

Intro to Programming in Python
Data Structures and Algorithms
Combinatoric Structures
Computer Systems
Probability in Computing
Linear Algebra
Calculus I, II
Multivariate Calculus
Algorithm Analysis

SKILLS

PROGRAMMING

Proficient:

Python • Java • JavaScript
Swift • MongoDB • HTML • CSS

Familiar:

C • MySQL • \LaTeX

FRAMEWORKS

Flask • Node.JS • VueJS
React • React Native
• Express • jQuery

TOOLS

Git • Jira • Pandas • NumPy
Matplotlib • Jupyter Notebook

LANGUAGES

English • Punjabi

EXPERIENCE

HARIRI INSTITUTE | SOFTWARE ENGINEERING INTERN

May 2020 – Present | Boston, MA

- Building internal time tracking tool that allows Hariri admin to evaluate research grant spending while also analyzing employee progress
- Created pivot table interface using JavaScript, PHP, and SQLite with optional CSV and TSV export functions and implemented unit testing in Jest
- Designing modern version of the organization website (sail.bu.edu), including 1979 asteroids arcade game built in JavaScript, along with addressing current website bugs

BU SPARK! | SOFTWARE ENGINEERING INTERN

Jan 2020 – May 2020 | Boston, MA

- Developed mobile application that connects Latin American students interested in research with appropriate mentorship and resources.
- Implemented core functionality including an algorithm that matches students to mentors based on research experience and interests along with a chat room system.
- Built with React Native, Redux, and Firebase

BU CHEMISTRY DEPARTMENT | ADMINISTRATIVE ASSISTANT

Sep 2018 – Present | Boston, MA

- Maintain inventory for department reservations and room assignments using 25Live system
- Record and update student transfer credits within TES software and Microsoft Excel

PROJECTS

AGRIWORKS | HACK4IMPACT | AGRI-WORKS.ORG

Sep 2019 – Present

- Developing web platform for data scientists, farmers, and policymakers to analyze agricultural datasets
- Building application using VueJS, AWS, Flask, and MongoDB

FAKE NEWS | BOSTONHACKS

December 2019 | Boston, MA

- Created a Google Chrome extension that checks the authenticity of a news article by using machine learning classification and a PageRank Algorithm
- Built extension using Python, JavaScript and Google Cloud API

ORGANIZATIONS

GLOBAL APP INITIATIVE | PRESIDENT

Jan 2019 – Present | Boston, MA

Working with Wellesley Cancer Prevention Project to develop mobile application that scans bar codes of food products to discover potentially carcinogenic ingredients

OPENWEB | VICE PRESIDENT

Sep 2020 – Present | Boston, MA

Created incubator for software development which includes campus workshops and an environment for coders to work on projects together