Gagandeep Kang

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EDUCATION

Boston University   Boston, MA
Bachelor of Arts in Computer Science, Minor in Mathematics   *Sept. 2018 – May 2022*

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, HTML/CSS, HTML/CSS, MongoDB, Firebase
Frameworks: React / React Native, Node.js, Flask, Vue, Express, JQuery

EXPERIENCE

Software Engineer   January 2021 – May 2021
Keep.id   *Philadelphia, PA*
- Implement non-profit facing services in React.js allowing for uploading, viewing, and downloading of client documents
- Monitor and fix bugs in authentication flows, including organization, client, and admin signup pages
- Mentor younger Software Engineers and conduct code reviews along with creating tasks

Software Engineer Intern   May 2020 – May 2021
Hariri Institute of Computing   *Boston, MA*
- Add functionality for processing new SBOL files in Puppeteer, a JavaScript-based instruction generation tool that streamlines the process of genetic design and assembly
- Improved internal grant reporting tool that allows admin to monitor and evaluate research grant spending
- Created PivotTable interface using JavaScript, PHP, SQLite with optional CSV and TSV export functions
- Implemented respective unit tests in Jest
- Added preprocessing hooks to JavaScript multi-party computation library 'Jiff' to help improve memory management

Data Science Fellow   July 2020 – November 2020
Bluebonnet Data   *Boston, MA*
- Perform analyses and insights of political data for Democratic Congressional Candidate Allen Ellison
- Explore election data on precinct and county levels to help predict win numbers and voter turnout

Software Engineer Fellow   January 2020 – May 2020
Boston University Spark!   *Boston, MA*
- Developed React Native mobile application that connects Latin American students interested in research with appropriate mentorship and resources
- Implemented matching functionality that connects students to mentors based on previous experience, research interests, and language
- Developed real-time chat room system that allows students to communicate with mentors using Firebase
- Exploring software development lifecycle and Agile methodologies including multiple design sprints, weekly mentor updates, and code reviews

PROJECTS

Agriworks | *Software Engineer, Business Developer* | agri-works.org   Sept. 2019 – Present
- Developing web platform for data scientists and policymakers in India to analyze agricultural datasets to spur data-driven policies
- Implemented agricultural heat map visualizations using VueJS
- Created authentication functionality using Python's Flask framework

Nod Financial Technologies | *Chief Technology Officer*   August 2020 – Present
- Building a mobile platform for users to globally trade money, improving international digital transactions
- Leading development of application with React Native / Redux front-end along with the Node.js / Express server