

Jacob John Jeevan

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EDUCATION

University of Alabama at Birmingham

MASTER OF SCIENCE IN COMPUTER SCIENCE

Birmingham, AL

January 2018 – May 2020

Georgia Institute of Technology

BACHELOR OF SCIENCE IN NUCLEAR AND RADIOLOGICAL ENGINEERING

Atlanta, GA

January 2014 – May 2017

EXPERIENCE

Software Developer

Remote

DONATE GIFTS | STACK: TYPESCRIPT, JAVASCRIPT, NODE.JS, MONGODB

September 2020 – Present

- Raised over \$3k in Secret santa gift donations by developing backend API in a team of seven.
- Migrated Payment routes and services to Typescript with Tsoa.
- Facilitated donor user interactions with recipient users by developing a messaging system.
- Developed unit tests using chai and mocha to test the logic and functionality of backend API.

Student Assistant

Birmingham, AL

INFORMATICS INSTITUTE | STACK: MATLAB, R, PYTHON

June 2019 – November 2019

- Prepared software package for Polar GINI Curve research paper.
- Preprocessed single-cell data using dimensionality reduction techniques such as PCA and tSNE.
- Reduced simulation execution time by 12% through parallel processing in MATLAB.

IT Student Assistant

Atlanta, GA

WOODRUFF SCHOOL OF MECHANICAL ENGINEERING

September 2015 – May 2017

- Assisted users with set-up, repair and maintenance of computer and peripheral, hardware and software.
- Coordinated with IT team to gather inventory information and upgrade old equipment.

PROJECTS

LINK SHORTENER | STACK: NEXT.JS, NODE.JS, MONGODB

<https://jeevan.link>

- Designed Frontend using Next.js and Tailwind CSS framework.
- Developed Node.js backend to shorten and store urls on MongoDB.
- Implemented CI/CD with automated testing and deploy on push using Github actions and Docker.

JOB TRACKER | STACK: DJANGO, REACT.JS, NODE.JS, POSTGRESQL

<https://jeevan.link/jb>

- Developed a fullstack Django app, with Mapbox integration, to track and visualize job applications by location.
- Created Cronjob to perform weekly database backups to S3.
- Reworked the project to use React for frontend and Node.js for backend.

LEADERSHIP

- Coordinated with data scientists at Regions (bank) to host a Data Science seminar at UAB.
- Instructed over 25 kids at Girls who can code workshop using Scratch language.
- Planned and orchestrated over 10 cultural events at UAB, as a member of a 25-person team.
- Facilitated Nuclear engineering career fair for American Nuclear Society, Georgia Tech Chapter.

SKILLS

Languages: Java, Python, Typescript, Matlab

Frameworks: Django, Express.js, Mocha, React.js

Databases: MongoDB, PostgreSQL

Tools: Bash, Bootstrap, Git, Docker, Node.js, Postman