

Jacob John Jeevan

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Education

University of Alabama at Birmingham

MS IN COMPUTER SCIENCE

Birmingham, AL

January 2018 – May 2020

Georgia Institute of Technology

BS IN NUCLEAR AND RADIOLOGICAL ENGINEERING

Atlanta, GA

January 2014 – May 2017

Experience

Donate Gifts LLC

VOLUNTEER DEVELOPER | STACK: JAVASCRIPT, NODE.JS, MONGODB

Remote

September 2020 – Present

- Facilitated donor user interactions with recipient users by developing a messaging system.
- Enabled recipient users to create Secret Santa wishes by expanding backend API using Node.js.
- Developed unit tests using mocha to test the logic and functionality of backend API.

Informatics Institute

STUDENT ASSISTANT | STACK: MATLAB, R, PYTHON

Birmingham, AL

June 2019 – November 2019

- Prepared software package for Polar GINI Curve research paper. <https://bit.ly/2D7z8eZ>
- Preprocessed single-cell data using dimensionality reduction techniques such as PCA and tSNE.
- Reduced simulation execution time by 12% through parallel processing in MATLAB.

Projects

Job Tracker

Django, React, Docker

<http://bit.ly/jobtracker-git>

- Developed a full stack web app designed to keep track of jobs.
- Integrated CI/CD tools to deploy on push to Digital Ocean servers.
- Created Cronjob to perform weekly database backups to S3.
- Reworked the project to use React for frontend with Django backend.

Reddit Gild Predictor

Python, ElectronJS, Sci-kit Learn

<http://bit.ly/gild-predictor>

- Created a command line script, as well as a GUI, to scrape Reddit data using PRAW.
- Trained models using machine learning algorithms to predict the gilding status of reddit comments.

Skills

Languages: Java, Python, Typescript, Matlab

Libraries: Chai, Numpy, Pandas, React.js, Scikit-Learn

Frameworks: Django, Express.js, ElectronJS, Mocha

Databases: MongoDB, PostgreSQL

Others: Bash, Bootstrap, Git, Docker, Manjaro Linux, Node.js, Postman

Leadership

- As president of Data Crunchers UAB, organized a data science speaker session with industry veterans from Regions.
- Instructed Girls Who Can Code Workshop, as part of Girls in Science and Engineering Day.
- Planned and facilitated Nuclear engineering career fair for American Nuclear Society, Georgia Tech Chapter.