

SAI SUBRAMANIAN

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EDUCATION

Rutgers University-School of Arts & Science

Bachelor of Science in Computer Science

Cumulative GPA: 3.25/4.00; Dean's List- Spring 2019, Fall 2017

New Brunswick, NJ

Expected May 2020

Relevant coursework:

Data Structures

Algorithms

Computer Architecture

Data 101(R)

Prin. of programming languages

Linear Optimization

Discrete Structures I & II

Databases

IT & Informatics

WORK EXPERIENCE

Fidelity Investments

Jersey City, NJ

Software Engineering Intern

May 2019 - Aug 2019

- Developed a cloud-based web dashboard using Angular 8 and Angular Material that captures over 500+ mainframe migration metrics for 30+ executives.
- Implemented and updated REST APIs using Node.js, Swagger and Express to interact with web dashboard and the PostgreSQL database.
- Participated in Agile meetings, which included sprint planning, daily Scrums or standups, sprint check-in, sprint review & retrospective.

Fidelity Investments

Merrimack, NH

Data Engineering Intern

May 2018 - Aug 2018

- Developed AWS CloudFormation scripts used in automation of AWS EMR cluster utilized by CI/CD pipeline, saving the team over 75+ hours/month of manual work.
- Created Bash scripts that launch, terminate and externalize parameters and security configurations for EMR cluster provisioning.

PROJECTS

Auction Web App

- Implemented a full stack web application using Java, JSP & AWS RDS for MySQL(CRUD) to allow users to place, modify and delete a bid on an item of their choice.

Weather Web App

- Learned VanillaJS and built a weather forecast web application using HTML/CSS and dark sky API.

Twitter Data Collection & Analysis

- Retrieved data from question tweets using the Twitter API with the Tweepy and Twarc packages in Python and parsed the data into CSV file for text processing and sentiment analysis of Twitter data.

SKILLS

Programming: Java, SQL, C++, C, R, Python, HTML, JavaScript, Typescript, Node JS, Angular

Technologies: Amazon Web Services, Anaconda, Eclipse, R Studio, Linux, Git

Certifications: Microsoft Verified Certification Program in Programming in R for Data Science

LEADERSHIP EXPERIENCE

Nothing But V.O.C.A.L.S: Competitive A Cappella Team

Rutgers University

Vice President

Sept 2016 - Present

- Work closely with the president in coordinating organization activities, tasks or responsibilities.
- Mediate member disagreements, particularly related to allocation of funds.
- Communicate regularly with over 400+ student organizations.

Math Club

Chennai, India

Events Coordinator

Apr 2015 to May 2016

- Organized events and communicated about the club goals and interplay of ideas and concepts.
- Delegated tasks to more than 100 members to improve organizational effectiveness.