

Sai Shreyas Medapalli

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EDUCATION

The University of Texas at Austin

Major: Bachelor of Science, Computer Science

May 2020

Minor: Business Foundations

Overall GPA: 3.85 / 4.00

Relevant Coursework:

Data Mining, Security, Big Data, Modern Web Applications, Operating Systems, Computer Architecture and Systems, Data Structures and Algorithms, Discrete Math, Practical Linear Algebra, Statistics

EXPERIENCE

J.P. Morgan Chase & Co. – Software Engineering Intern; Houston, TX

June 2019 – August 2019

- Utilized **Java** and **Nirvana** to create a configurable performance stress testing tool that can emulate hundreds of end users
- Simulated real-world usage of our application with said tool and generated detailed charts for analysis using **Python**
- Created a process monitoring utility using **Java** to gather data about all threads within the main application
- Increased developer productivity by 20% by producing a web application to view application health with **Polymer**

J.P. Morgan Chase & Co. – Software Engineering Intern; Houston, TX

June 2018 – August 2018

- Integrated **ElasticSearch's Mapper Plugin** to index attachments, ranging from emails to PDFs, uploaded onto conflict records by officers in numerous parts of the application
- Coordinated with business users and plan leads to incorporate various features such as fuzzy and exact searching to search within documents as per their specifications
- Added cues on client-side to attachments containing the query, saving officers an average of 45 seconds per search
- Programmed a backup job to index failed attachments nightly by leveraging JPMC's internal cloud (GAIA)

PROJECTS AND ACTIVITIES

Deals4You

- Used **Node.js** to read data from Megabus' Journeys API to find the cheapest tickets and help students save money on trips
- Incorporated the tool with Unidays' coupons to let users know if a relevant deal or student discount exists
- Added a front end interface using **Angular.js** for users to quickly select dates, cities, and filter on various options

Predictive Analysis on Diabetes

- Trained a dataset using a RandomForestClassifier to predict if a patient is diabetic based on various health factors
- Reduced prediction error by 15% through feature engineering, data cleaning, and dimensionality reduction
- Leveraged SparkCognition's **Darwin**, a model building tool, to train multiple models and create templates for future use

Who You Gonna Call?

- Aggregated data from APIs, including Confluence and Symphony to visualize connections between employees (**Python**)
- Implemented auto-complete search feature on website using **Angular.js** on front-end for instant results for JPMC users
- Placed Top 5 in the JP Morgan Hackathon for helping shorten IT member ticket times by 10 percent

RPA Dynamic Input

- Simplified data entry by automating input on dynamic websites with 100% accuracy using **Python** and **Selenium**
- Cut down prior WinAutomation times of 45 sec to 3 sec per 100 records by utilizing multithreading and DOM manipulation

SKILLS

- **Languages** – Java, C, SQL, JavaScript, HTML/CSS, Python
- **Other** – Elasticsearch, Node.js, Spring, Pandas, Scipy, Tomcat, Git, Vaadin, Hadoop, MatLab, Excel, Angular.js, Selenium

HONORS

- University Honors (2016-2019), Houston Livestock Show and Rodeo Scholar, Buick Achievement Scholar