OJAS PATEL

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EDUCATION

The University of Texas at Austin Master of Science, Computer Science — May 2022
Bachelor of Science, Computer Science — May 2021
Computer Science GPA: 3.97 / Overall GPA: 3.89

PROFESSIONAL EXPERIENCE

Yext – *Software Engineering Intern; New York City, NY* — May 2020 – August 2020

- Worked on the Search Intelligence team within the Answers group to measure and improve Search Quality using **Java** (Dagger, Mockito, Closure Templates), **Python**, **Bazel**, **Protobuf**, **SQL, AWS, HTML, CSS,** and **Terraform**
- Developed UI and backend for the Feature management system that enables new improvements to Search algorithms
- Wrote an internal script to ease the process of creating and deleting features being used to improve the Search experience
- Coded parts of a diff tool for the Hitchhikers release to compare metadata and results from different Search configurations
- Migrated service and database infrastructure to Configuration-as-Code (CaC) and routine tasks to Apache Airflow

Nike, Inc. – *Technology Intern; Beaverton, OR* — May 2019 – August 2019

- Worked on the Enterprise Financial Solutions team around the release of a new retail invoicing system using **AWS**, **Python** (Bokeh, boto3, Pandas), and **Okta**
- Built a visualization dashboard to empower non-engineer team members to diagnose the health of new services and quickly analyze and create new reports of service logs in **Python**
- Prototyped and pitched self-service lockers for Nike retail stores in the Nike Technology Hackathon to increase transactions from visits and improve the customer experience

Cisco Systems Inc. – *Software Engineering Intern;* Austin, TX — May 2018 – August 2018

- Worked on the Supply Chain Analytics team to increase the efficiency of tasks using **Python** (Bokeh, H2o, Pandas), and **SQL**
- Engineered a dashboard to predict calibration values for routers being used on production floors to reduce the manual calibration time of 144 points to only 12 using **Python**
- Assembled a tool to aid in Bill of Material risk assessment with the purpose of easing communication and providing in-depth product analytics; won second place in the Supply Chain Intern Case Competition with this project

PROJECTS

Empowering_Knowledge Website — August 2019 – December 2019

- Built a website that gathered and presented a variety of energy and legislation related data to inform users of where their energy is coming from and how these decisions are being made
- Technologies Used: **Python** (Flask, Flask-Restless, SQLAlchemy, Selenium, unitest), **Docker**, **Postman**, **AWS**

Yelp Collaborative Filter Web Application — September 2017 – January 2018

- Created a web application surrounding the Yelp dataset to provide a collaborative recommendation system to users based on fields such as location, other user ratings, and type of food
- Technologies Used: **Python, Pandas, HTML, CSS, Flask, SQL**

ACTIVITIES

Code Orange – *Vice President* — Fall 2018 – Present

- Teach kids at a recreational center in Austin about basic computer science ideas using tools such as Scratch and Code.org
- Oversee the logistics behind the organization, manage finances through budget planning and purchases, and interface with the computer science department

SKILLS

Programming Languages: Python, Java, C, HTML, CSS

Relevant Courses: Data Structures, Computer Architecture, Operating Systems, Algorithms and Complexity, Software Engineering, Discrete Math, Probability, Artificial Intelligence, Introduction to Data Mining, Computer Networks, Neural Networks, Natural Language Processing, Cybersecurity Law and Policy