Rohan Khanderia

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EDUCATION

New York University   **New York, NY**
Computer Science & Data Science. GPA: 3.695   *Class of 2023*

WORK EXPERIENCE

Screening Room   **New York, NY**
Software Engineer   *June 2021 - Present*
- Leveraged **Ruby, Sinatra, MongoDB** and **Stripe** to develop a virtual ticketing system, allowing filmmakers to pre-sell tickets to their film premieres, allocating Screening Room an 10% cut on each ticket sold.
- Integrated the **Glitterly API** using **cURL** in the **Ruby** back-end and **Amazon S3** to allow for tickets to be dynamically created and sent via email with **HAML** templates.
- Designed a custom-built invite and RSVP system with **JavaScript** for the UFVA Film Conference, supporting more than 40+ universities and film groups to register for and confirm attendance to premieres.
- Utilized the **Jitsi API** and **jQuery** to allow for real-time collaborative feedback, supporting 200+ participants

Magic EdTech   **New York, NY**
Software and Marketing Intern   *July 2019 – August 2019*
- Created an online marketplace using **Linden Scripting Language** in Second Life, allowing Magic to advertise education technology content and products to over 1,000,000 users and discover new clients.
- Worked with MagicBox, a custom **cloud-hosted** platform to distribute proprietary educational technology and e-book software to over 2,000,000 active readers.
- Participated in client calls for marketing and product development with the CEO, learning the entire **software development life cycle**.

PERSONAL PROJECTS

Reddit Data Aggregator   *https://github.com/RohanK6/RedditStats*
- Leveraged the **Python Reddit API Wrapper (PRAW)** to retrieve data from over 130,000 active subreddits and 52,000,000 active users on the Reddit platform
- Designed a **LRU Cache** to reduce API calls and improve data retrieval speeds for the users by **60-90%**
- Incorporated **Django User Authentication** to streamline the user registration and login process, using **CSRF tokens** to enhance the site's security, limiting the domains that could send POST requests.

NASA Meteorite Landing Data Parser   *https://github.com/RohanK6/FallenStars*
- Developed a command line program that parses NASA's Meteorite Landing data set in **Java**.
- Implemented several custom-built data structures, including **Linked Lists** and **Binary Search Trees**, to efficiently filter and search through over 34,000 meteorites in the data set based on search queries.
- Tested rigorously using **JUnit**, achieving 99% code coverage.

File Transfer Platform   *http://filetransferapp.pythonanywhere.com/transfer*
- Built a user-friendly file sharing platform to address common problems with current alternatives with **Python** and **Django** for the file upload logic.
- Transitioned into creating a **RESTful API** by using **PostgreSQL** as the primary database for file metadata

TECHNICAL SKILLS

- Languages: Java, JavaScript, Ruby, Python, C, HTML, CSS
- Frameworks & Libraries: Django, Sinatra, Node.js, React, HAML, jQuery, Bootstrap
- Databases: PostgreSQL and MongoDB
- Tools: Git, GitHub, Command Line, Docker, AWS