

Hrithik Shah

4TH YEAR UNDERGRADUATE IN SOFTWARE ENGINEERING

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Skills

Programming Python, Java, C#, C++, JavaScript, HTML, CSS, TypeScript, Ruby, SQL, Scala
Technologies Angular, .NET, Redis, Ruby on Rails, React, React Native, Selenium, Flask, AWS, Jupyter Notebooks, Postman, Docker

Experience

Flinks

Remote

BACKEND SOFTWARE ENGINEER

May 2021 - Dec 2021

- Implementing and refactoring several key features for a new payment system, along with rigorous testing performed through Octopus Deploy, to launch the product to 1000+ clients
- Expanded the Connect API using .Net and Postman by adding endpoints to support login authentication use cases for Paypal, Venmo, Robinhood and 10+ banks across North America

SecDev Group

Remote

SOFTWARE DEVELOPER

Jan 2021 - Apr 2021

- Worked alongside the municipalities of LA and Chicago to evaluate and implement a model of 40+ features that simulated outcomes for COVID relief efforts impacting over 6.5 million people
- Created a scraper using Python & Selenium to close 100+ extremist accounts on social platforms like Facebook, Instagram, Twitter and TikTok

Royal Bank of Canada

Toronto, Canada

DATA SCIENTIST

Jan 2020 - Apr 2020

- Leveraged scikit-learn to create Word n-gram matrices and apply Logistic Regression improving an entity resolution model to 95% accuracy
- Reduced fuzzy matching processing times to under 30 minutes for millions of client records using MinHash and Locality Sensitive Hashing
- Used Latent Dirichlet Allocation and TF-IDF to flag suspicious activity in payment details
- Presented insights to executives on CERB spending to reduce fraud by 5% during the COVID-19 pandemic

Uken Games

Toronto, Canada

DATA ANALYST

May 2019 - Aug 2019

- Deployed an autonomous system using Docker that manages \$15,000 of Facebook ad campaigns and reduced 5 hr/week of manual work
- Developed a tool that forecasts the average lifetime value of a player based on retention to help maximize return on ad spend
- Created interactive data visualizations using Periscope Data and Python packages such as numpy, pandas, and plotly

Entrepreneurship

Software For Love | Website

Remote

CHIEF EXECUTIVE OFFICER (CEO)

May 2020 - Present

- Launched a non-profit and currently leading 30+ developers, designers, project managers in building technology for social good
- Tackled challenges in hiring processes, software development practises and CI/CD to elevate members' unique skills and passions
- Directed 10+ projects and partnered with Snyk and Google for software infrastructure support

Side Projects

PokeMart | 📺/Pokemart, Created a marketplace mobile app using React Native, LottieView, and a RESTful API made with Node.js

Findify | 📺/Findify, Website, Implemented a music recommendation system using Flask and Spotify's song analysis algorithm to generate a score for fuzzy matching

Hrithik's Notes | 📺/Notes, Website, Created a Gitbook-type website for course notes using React, Netlify, MDX, Plotly charts, and LaTeX, improving understanding of material

Invasion of the Shadows | 📺/Invasion-Shadows, Created and deployed a 2D RPG Platformer computer game using Unity designed to help students learn about ancient civilizations

Hrithik's Notes | 📺/Covid, Website, Created a web dashboard using Plotly Dash, Flask and Heroku to monitor the pandemic

Education

University of Ottawa

Ottawa, Canada

BASC IN SOFTWARE ENGINEERING (CO-OP), 3.7 GPA

Sep 2018 - Dec 2022

- Courses in: Data Structures & Algorithms, Intro to AI, Software Architecture, Analysis and Design of UI, Software Requirements