

Hrithik Shah

ASPIRING SOFTWARE ENGINEER

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Education

University of Ottawa

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

- Courses in: Operating Systems, Software Architecture, Analysis and Design of UI, Software Requirements

Ottawa, Canada

Sep. 2018 - Dec. 2022

Skills

Programming Python, Java, C#, C++, JavaScript, TypeScript, Ruby, Scala
Full Stack Angular, Ruby on Rails, React, React Native, Flask, HTML, CSS
Data Science SQL, Pandas, Numpy, Plotly, Scikit-learn, Tensorflow
Technologies AWS (Redshift & EC2), Jupyter Notebooks, DataRobot, Docker

Experience

SecDev Group

SOFTWARE DEVELOPER INTERN

- Expect to rapidly develop functional prototypes of web applications using various front-end frameworks such as React, as well as develop a backend server to maintain API calls using Flask/Node.js

Remote

Jan. 2021 - Present

Royal Bank of Canada

DATA SCIENTIST INTERN

- Leveraged Word n-gram matrices and Logistic Regression to improve an entity resolution capability 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 pandemic

Toronto, Canada

Jan. 2020 - Apr. 2020

Uken Games

DATA ANALYST INTERN

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

Toronto, Canada

May 2019 - Aug. 2019

Side Projects

PokeMart | 📺/Pokemart

REACT NATIVE (EXPO), LOTTIE (AIRBNB), NODE.JS

- Created a marketplace app for buying everything Pokemon where users can register, upload images, and message different vendors
- Used LottieView for seamless animations, integrated offline support with image caching, and a RESTful API for CRUD operations

Findify | 📺/Findify, Website 📄

SPOTIFY API, FLASK

- Implemented a music recommendation system based on previously liked songs
- Used Spotify's song analysis algorithm to generate a score for fuzzy matching

Hrithik's Notes | 📺/Notes, Website 📄

REACT (GATSBY.JS), MDX, NETLIFY

- Created a Gitbook-type website that stores all notes for various courses and subjects that were found fascinating
- Integrated various features like MDX, Plotly charts and LaTeX, while learning React for the first time

Extra Curricular

Software For Love

ADVISOR/PROJECT MANAGER

- Launched a non-profit that teaches students software development by working on client projects in exchange donating returns to charities

Remote

Apr. 2020 - Present

Software Engineering Student Association uOttawa | 📺/SESA

CONTENT CREATOR

- Interviewing professors, software engineers and CEOs to help over 2000 students learn about careers in the software industry

Ottawa, Canada

Sept. 2019 - Present