

# 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, DataRobot, Docker

## Experience

### Flinks

SOFTWARE DEVELOPER

[Remote](#)

May 2021 - Aug 2021

- Expected to develop and implement new features for Flinks' APIs and data tools to help connect and enrich banking data

### SecDev Group

SOFTWARE DEVELOPER

[Remote](#)

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

DATA SCIENTIST

[Toronto, Canada](#)

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

DATA ANALYST

[Toronto, Canada](#)

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

## Side Projects

### PokeMart | [📺/Pokemart](#)

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

- Created a marketplace mobile app using LottieView for animations, image caching, and a RESTful API

### Findify | [📺/Findify, Website](#)

SPOTIFY API, FLASK

- Implemented a music recommendation system using 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 for course notes and integrated features like MDX, Plotly charts, and LaTeX, improving understanding of material

## Education

### University of Ottawa

BASc IN SOFTWARE ENGINEERING (CO-OP)

[Ottawa, Canada](#)

Sep 2018 - Dec 2022

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

## Extra Curricular

### Software For Love | [Website](#)

PRESIDENT

[Remote](#)

Apr 2020 - Present

- Launched a non-profit and currently leading 15+ student software developers on client projects

### Software Engineering Student Association uOttawa | [📺/SESA](#)

CONTENT CREATOR

[Ottawa, Canada](#)

Sept 2019 - Dec 2020

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