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

Amazon — *Toronto, Canada*
INCOMING SOFTWARE ENGINEER — *May 2022*

Flinks — *Remote*
BACKEND SOFTWARE ENGINEER — *May 2021 - Dec 2021*
- Implemented a new payment system for 1000+ clients by implementing and refactoring several key features, along with rigorous testing performed through Octopus Deploy
- Expanded the Connect API to Paypal, Venmo, Robinhood and 10+ banks across North America using .Net and Postman by adding endpoints to support login authentication use cases

SecDev Group — *Remote*
SOFTWARE DEVELOPER — *Jan 2021 - Apr 2021*
- Implemented a model of 40+ features that simulated outcomes for COVID relief efforts impacting over 6.5 million people by working alongside the municipalities of LA and Chicago
- 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*
- Improved an entity resolution model to 95% accuracy using scikit-learn to create Word n-gram matrices and applying Logistic Regression
- Reduced fuzzy matching processing times to under 30 minutes for millions of client records using MinHash and Locality Sensitive Hashing
- 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
- Increased return on ad spend by 10% by developing a tool that forecasts the average lifetime value of a player based on retention
- 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 40+ 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, donated $8000+ to charities 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* ⬈, Developed a music recommender using Flask and Spotify's API to generate a score for fuzzy matching
Hrithik's Notes | /Notes, *Website* ⬈, Launched a course notes website using React and Netlify improving understanding of material
Invasion of the Shadows | /Invasion-Shadows, Built a 2D computer game using Unity to teach students about ancient civilizations
COVID-19 Report | /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*
- Undergraduate courses: Data Structures & Algorithms, Intro to AI & Data Science, Software Architecture, User Interfaces, Software Requirements
- Graduate courses: Topics in AI, Virtual Assistants