Hrithik **Shah**

SOFTWARE ENGINEER | DATA SCIENTIST

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Education

University of Ottawa	*Ottawa, Ontario*
BASc in Software Engineering (CO-OP)	*Sep. 2018 - PRESENT*

- Courses in: Data Structures & Algorithms, Intro to Software Engineering, Discrete Mathematics, Linear Algebra

Skills

Programming	Python, Java, C#, JavaScript, Ruby
Data Science	SQL, Pandas, Numpy, Scikit-learn, NLTK
Full Stack	Ruby on Rails, React, Flask, HTML, CSS
Technologies	Apache Spark, Amazon RedShift & EC2, Databricks, Jupyter

Experience

Royal Bank of Canada	*Toronto, Ontario*
Data Scientist Intern (Financial Crime)	*Jan. 2020 - Apr. 2020*

- 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 money laundering in payment details
- Applied statistical techniques to investigate client behaviour for industry classification

Uken Games	*Toronto, Ontario*
Growth Data Analyst Intern	*May 2019 - Aug. 2019*

- Developed a tool that forecasts the average lifetime value of a player based on retention to help maximize return on ad spend
- Built and deployed using Docker, an autonomous system which manages $15000 of Facebook ad campaigns
- Created interactive data visualization using Periscope Data and Python packages such as numpy, pandas, and plotly
- Built key dashboards for FTUE, retention, conversion rate and revenue for soft launch of new games

Side Projects

Clinic on Call	*Ottawa, Ontario*
Android Studio, Java, Firebase, Circle CI	*Sep. 2019 - Dec. 2019*

- Created an app that lets patients book appointments with nearby clinics
- Used Firebase for data storage, SHA-256 hashing for private information and CircleCI for automation testing
- View my app here: `https://tiny.cc/clinic-on-call`

Funble	*Ottawa, Ontario*
Ruby on Rails, HTML, CSS, React	*Jan. 2019 - Aug. 2019*

- Created a MVP of a live chat web app that lets users talk about their interests in real-time
- Gained experience with OOP, WebSockets, SDLC, ORM, and Databases

Invasion of the Shadows	*Brampton, Ontario*
Unity, C#, JavaScript	*Nov. 2014 - Aug. 2015*

- Created and deployed a 2D RPG Platformer computer game designed to help students learn about ancient civilizations
- Experience using Unity's StateMachine Transitions, Rigidbody, and CharacterController
- View my game here: `https://tiny.cc/invasion-shadows`

Extra Curricular

Software Engineering Student Association uOttawa	*Ottawa, Ontario*
Events Coordinator and Content Creator	*Sept. 2019 - Present*

- Creating events that facilitate academic, technical and career support to 500+ computer science and software engineering students
- Check it out here: `http://tiny.cc/uottawa-sesa`

TurnerHacks	*Brampton, Ontario*
Head of Sponsorship	*Nov. 2017 - Jun. 2018*

- Brought in over 10 tech. companies as corporate sponsors for the event in order to fund costs for food, workshops and participants' fees
- Raised over $5000 dollars in product sponsorship and over $1000 in monetary sponsorship