Rola Khalil

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rolakj.me

EXPERIENCE

Product Manager | BlackBerry
Jan - April 2020

- Mitigated risk by reducing false positives by **50%** in Safe Browsing Cloud ML model
- Performed a competitive analysis on machine learning threat intelligence software to determine products strengths and weaknesses
- Conducted user research with security intelligence professionals to drive product roadmap for UEBA technology
- Envisioned, validated and prioritize product features; and planned for development of machine learning application with 4 development teams

Software Engineer & Product Manager | Scotiabank
May - Aug 2019

- Translated stakeholders requirements into functional designs and specifications and planned sprints for minimal viable product deadlines
- Developed the front-end of a machine learning application for predictive capital markets investment projected to increase revenue by **$9 million**.
- Used Angular and Django to implement dashboard features that increased conversion by **25%**

Front-end Engineer | tealbook
Sept - Dec 2018

- Met the needs of global users by developing an autotraslator for a B2B application using Node.js
- Designed and developed user onboarding profile page using React.js and MaterialUI to increase user retention by **10%**
- Wrote **~60 unit tests** to improve user experience and and increase product accuracy

Programmer Analyst | Scotiabank
Jan - April 2019

- Create **~30** python scripts to optimize and maintain internal tools utilized by over **8000 developers**.
- Spearheaded design and development of an internal application reaching over **3000 developers** to advance the agile work environment.

SKILLS

PRODUCT
Prototyping, Data Science, Analytics, User Research, User Interviews

SOFTWARE
Python, SQL, C++, Javascript, MATLAB, Arduino

PROJECTS

UWAFT | Program Manager
Worked on team deliverables and sponsorships for EcoCar3.

Developed advanced driver-assistance system using **LiDAR** to achieve level 2 autonomy on EcoCar3.

Stormy Skys
Prototyped an application using **React.js** and **Sketch** that uses meteorological data to inform users on current atmospheric conditions.

Tabata Workout
Built an interactive workout device using **C++**, **microcontroller** and **interrupts** to make physical activity accessible to college students.

EDUCATION

UNIVERSITY OF WATERLOO
Bachelors of Applied Science
System Design Engineering 2017-2022

Courses
Human Factors in Design
Systems and Society
Needs Analysis and Prototyping
Probability and Statistics