Rola Khalil

r4khalil@uwaterloo.ca | (226) 978 - 2101
rolakhalil.github.io

EXPERIENCE

FactoryU R&D
May - Aug 2019

Associate Product Manager
- Translated stakeholders requirements into functional designs and specifications and planned sprints for **minimal viable product** deadlines
- Envisioned, validated and prioritize product features; and planned for development of **machine learning** application
- Mitigated risk through strategic planning and roadmapping for product vision

Software Engineer
- 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 and presented them weekly at demonstrations.

Software Developer | RueNav
2017 - 2019
- Extracted key data from various **e-commerce platforms** about merchants using **python crawlers**
- Implemented data into web application to allow large scale suppliers to monitor over **200 merchants** on various e-commerce platforms.
- Created and integrated new features to advance user experience and guarantee customer satisfaction

Front-end Engineer | tealbook
Sept - Dec 2018
- Developed and launched a fully translated web **B2B** application into top ten most spoken languages for **thousands of users** globally.
- Used **ReactJS** and **NodeJS** to implement **~5 features weekly** and presented them to executives.
- Wrote **~60 unit tests** in conjunction with **jest** and **enzyme** to thoroughly test functionality.

Programmer Analyst | Scotiabank
Jan - April 2019
- Self-taught python used to optimize and maintain internal tools utilized by over **8000 developers**
- Created approximately **~30 python scripts** for optimization.
- Spearheaded design and development of an internal application reaching over **3000 developers** to advance the agile work environment.

SKILLS

PRODUCT
Product Roadmap, Product Vision, User Stories, User flow mapping, User Cases

SOFTWARE
Python, C++, Javascript, MATLAB, Django, Node.js, React.js, Angular, Arduino

PROJECTS

UWAFT Eco Car
Acted as **Associate Program Manager** for the team. Worked on team deliverables and sponsorships. Developed advanced driver-assistance system using **LiDAR** with software team

Personal Website
Designed and developed a personal website using **Angular**

Stormy Skys
Designed and developed a weather application using **React.js**, **MaterialUI** and **Sketch**

Tabata Timer
Used **single board microcontroller** with coded **(C++)** timers and **hardware interrupts** to create a multi station Tabata workout

EDUCATION

UNIVERSITY OF WATERLOO
BASc System Design Engineering 2022
Option in Economics

Courses
Human Factors in Design
Design, Systems and Society
Probability and Statistics