Thomas Doucette

3A Systems Design Engineering

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Experience

Product Management Intern · Hitplay Technologies

Toronto, ON · Jan - Apr 2018

- Managed the product roadmap of a cloud-based AV monitoring platform for five full-time developers.
- Identified inefficiencies in AWS architecture, cutting costs by 20%.
- Developed a profitable pricing model through market research.
- Played a critical role in the development of a feature that is projected to cut support team workload by over 50%.
- Led an additional development initiative that resulted in a partnership with a major technology company.

Project Management Intern · RBC

Toronto, ON · May - Aug 2017

- Led a team of five developers to the completion of a Convolutional Neural Network that could identify online banking customers with 99% accuracy. Trained using Amazon's EC2.
- Completed the initiative 15% under budget with the closing pitch receiving 100% approval from an internal board of directors.
- Facilitated weekly design meetings with business executives to discuss project status with the development team.

Software Development Intern · Steele Group Financial

Cambridge, ON · Sept - Dec 2016

- Designed and developed core features of a business management application aimed at boosting employee efficiency.
- Conducted user testing to define UX improvements.
- Leveraged a graph database (Neo4j) in combination with PHP and JavaScript to drive exceptional application performance.

Software Development Intern · ITAP

Charlottetown, PE · Jan - Apr 2016

- Led weekly design sprints for a team of five full-time developers gaining experience in the Scrum methodology.
- Designed and developed an intramural sports web application from end to end resulting in strong UX design skills.
- Performed market research, competitive analysis and developed a business model for the application.

Skills

Product

Design, Adobe CC & Sketch
Agile & Scrum, JIRA
User Stories and Interviews
Project Coordination
Rapid Prototyping
Data Analysis

Engineering

AWS & Google Cloud
JavaScript, CSS, HTML
C++, Java, Python
Graph DB, SQL, NoSQL

Projects

Bump Music

Developed and launched a platform that allows users to vote on music at the bar! Conducted user testing on over 100 users to assess UX. Developed in React/Firebase.

Stubblet

Managed a team of 4 developers to create an online platform for university students to find and post sublets near campus. Project management using JIRA.

Anarchy!

Led a team of 5 engineering students to create a strategy board game.
Conducted multiple sessions of user testing to define UX improvements.