

## Contact



StephanieJoyMills



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## Technology

### Languages

JavaScript Python  
Go Java Solidity  
CSS3 HTML5 VBA

### Databases & ORM's

PostgreSQL Knex.js  
MongoDB MySQL

### Frameworks & Libraries

Node.js Express  
Segment Gatsby.js  
SuperTest Mocha

### Tools & Technologies

Git Heroku AWS  
Postman Kafka  
Ethereum AdobeXD

## Education

### University of Waterloo

09/2016 - Present

Bachelor of Applied Science  
Management Engineering

- Algorithms & Data Structures
- Organizational Behaviour
- Information Systems Analysis & Design

## Volunteer

- Hackathons
- ON Ringette Org.

## Interests

Ringette Fitness  
Health Cooking

# StephanieMills.ca

Management Engineering

## Experience

### Axiom Zen | Cryptokitties

August 2018 - January 2019

#### Backend Software Engineer Intern

- Responsible for database architecture optimization, design, and implementation using **Knex.js** in **PostgreSQL** for multiple large-scale features
- REST** endpoint planning, definition, and execution with complex queries and logic flows in **Node.js**
- Designed process for centralizing communication between UX, FE, and BE teams using **Postman** and **GitHub**; lead successful execution resulting in cleaner feature implementation
- Lead planning and executed implementation of tracking on **Node** and **Go** API using **Kafka**
- Created event handlers to listen to smart contract events in **Go**
- Set-up testing on the **Node** API using **Mocha** and **SuperTest**; establishing the initial test file schemas
- Organized company wide engineering event independently

### Deloitte | D-Space Innovation Lab

January 2018 - May 2018

#### Software Developer Intern

- Designed a Machine Learning powered mortgage calculator and built out a prototype using **Python**, **Flask**, and **Angular5**
- Compiled data sources, cleaned data using **OpenRefine**, and built models leveraging **Python**, **Scikit Learn**, and **Pandas** with clustering algorithms such as **K-Means**
- Worked with a big data aggregation application written by the previous cohort to debug and improve essential functionalities such as data storage across **JWT** and **ES Database**
- In a close-knit agile team, met with senior executives iteratively to drive out requirements through demos of both conceptual and technical design

### Deloitte | D-Space Innovation Lab

May 2017 - September 2017

#### Software Developer Intern

- BE development of a share payment blockchain app on **Nuco** using **MongoDB**, **Java**, and **Spring**
- Designed and implemented "Smart Wallet," Smart Contracts using **Solidity**
- Constructed empathy maps, user journeys, and wireframes using **AdobeXD** to generate user stories
- Worked in an agile environment to effectively meet challenging deadlines and demo technical subjects to stakeholders such as the pros of moving from the **Web3 API** to **Ethereum's Java API**

## Projects

### StephanieMills.ca | Personal Blog

October 2018 - Present

- Designed website in **AdobeXD** and built out with **Gastby.js** (a **React.js** based Framework)
- Goal is to share both technical and non-technical learnings and to create a space to encourage kaizen

### 2nd @ VanHacks | Glass Box

September 2018

- Built BE of customizable CRM with inventory management for donation driven charities in **Node.js**
- Designed and implemented database architecture in **PostgreSQL** and setup **postgREST** server
- Created a proxy server for complex queries including automatic donation matching and notifications

### EthWaterloo | AngelEth

October 2017

- Wrote **Solidity** based smart contracts for a micro-investment blockchain platform
- Planned, lead, and, demoed blockchain aspect of the project with a focus on mechanism-design

### Critical Path Calendar | Technical Lead

September 2017

- Lead team throughout ideation and execution phases of **VBA** based **DSS**