

# NATALIE TAM

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## education

**University of Waterloo**  
BASc Management Engineering  
2019-2024

Relevant courses:

- Algorithms and Data Structures
- Work Design and Facilities Planning
- Materials Science

## skills

**Languages:** Python, Django, Javascript, React, HTML, CSS, Java

**Technologies:** Redux, ReactJS, Redis, Nginx, PostgreSQL, AWS, Postman, MySQL, PHP, Git, Figma, Jenkins, Microsoft Suite, VBA, Jira

## interests

Photography: Street and vintage photography (DSLR, Disposable)  
Sports: Volleyball, Frisbee, Badminton, Football, Running

## awards + recognition

Duke of Edinburgh: Gold  
Recipient 2019  
Hack the Globe Finalist

## work experience

### Killi

*Full Stack Engineer*

*JAN - APR 2021*

- Built UI and extended feature sets of React Native Killi app and web platform for an active user base of **20,000+ users** using React Redux, fetching data from Django back-end
- Collaborated with engineering and products team to develop technical solutions maintaining object-oriented design, user-interface intelligence, and software maintenance
- Designed and deployed end-to-end **RESTful services** and used **Postman** to test edge cases for specific features

*Tools: React, Python, Django, JS, Postgre, AWS, HTML, CSS*

### UW Print + Retail Services

*Information Systems Technology Analyst*

*MAY - AUG 2020*

- Managed and analyzed development servers to reduce time from loading staging sites by **from 16s to 3s**
- Upgraded current system and extensions to **diagnose performance issues** deeply rooted in the system.
- Installed network monitoring tools to analyze resource trends and visualize efficiency

*Tools: MySQL, Docker, phpmyAdmin, Apache*

### Formula Electric: Operations & Project Management

- Coordinated logistical requirements and project details to ensure smooth execution of projects
- Create compelling **2D and 3D design** of team's car livery using Solidworks and worked with other lead engineers during prototyping
- Collaborated with mechanical, firmware, and electrical team leads to understand any needs and find areas of improvement

### Midnight Sun: Strategy Member

- Used Excel and R to **model regenerative braking energy function** making data insights easier to understand
- Developed research plan and research questions for electric car braking system

## projects

### Google Clone Search Engine

- Developed an interactive and responsive web search engine that mimics Google.com by crawling through links and images
- Completes user's query through visual page system, site, and image search with filter features managed through **phpMyAdmin**

*Tools: MySQL, phpmyAdmin, HTML/CSS, JavaScript*