

Yan Ke

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itsyan.me

Experience

Shopify

Developer Intern

Ottawa, Ontario

Jan '18 – Apr '18

- Enabled merchants to manage inventory and optimize shipping across locations by developing full-stack multi-location features in Rails / MySQL / CoffeeScript / Elasticsearch
- Collaborated with product teams to deprecate and re-design checkout APIs for new features
- Worked with internal design and data teams to drive product decisions for inventory behaviour

Aterica Digital Health

Software Engineering Intern

Waterloo, Ontario

May '17 – Aug '17

- Led development of social network features with parental controls and managed its incremental rollout to different user groups on our Android app and Java infrastructure
- Designed and created a user engagement dashboard to facilitate product decisions using React
- Increased feature engagement by 15% through product iterations driven by usability studies
- Reduced Bluetooth connection latency by 30% between Android app and embedded firmware

Biomechatronics Student Design Team

Developer

Waterloo, Ontario

Sep '16 – Aug '17

- Trained a linear classifier on Raspberry Pi to control a prosthetic hand using Python
- Conducted user testing to reduce biomedical signal degradation caused by baseline muscle noise

Projects

Scavenger Hunt

github.com/yanske1/ScavengerHunt

- Designed a web application to host large-scale scavenger hunt games using Flask and React
- Developed an Android app to connect players to games and to track their location and progress

Easy Password

github.com/yanske1/EasyPassword

- Designed a user-friendly 2FA password management app featuring facial recognition using Rails

APPC Wind Tunnel

- Constructed a wind tunnel to analyze the effectiveness of airfoils using an Arduino and Matlab
- Led a team through heavy pivots by defining new feature scopes and analyzing dependencies

Spoilers Suck!

github.com/yanske1/SpoilersSuck

- Developed a Chrome extension to blur out *Game of Thrones* spoilers by traversing the DOM tree
- Architected a Flask API to predict if an image or text is a spoiler using facial recognition and NLP

Education

University of Waterloo

Candidate for Bachelor of Computer Science & Minor in Statistics

Waterloo, Ontario

Sep '16 – Apr '21 (Expected)

- 95% cumulative average, **first in class** for Fall 2016 and Winter 2017 term

Selected Skills

- **Languages:** Ruby, Python, Java, Scala, C / C++, JavaScript, HTML, CSS, SQL
- **Frameworks & Tools:** Ruby on Rails, Flask, Android, React, Redis, Elasticsearch, Git
- **Interests:** Cooking, Judo, Badminton; Hopeful owner of a café in the near future