Yan Ke

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Experience

Shopify   Ottawa, Ontario
Developer Intern (Logistics – Inventory Team)   Jan '18 – Apr '18
- Developed full-stack multi-location features in **Rails / MySQL / CoffeeScript** and **Elasticsearch**, enabling merchants to manage inventory and optimize shipping across locations
- Collaborated with Point of Sales Team to make our **Rails** checkout APIs location aware
- Worked with internal design and data teams to drive product decisions for inventory behaviour

Aterica Digital Health   Waterloo, Ontario
Software Engineering Intern (Internet of Things Team)   May '17 – Aug '17
- Developed full-stack social network features with parental control, connecting **Android** devices using REST API and sockets to a **Java / PostgreSQL** backend
- Proposed new features through launching a **Flask / React** user engagement dashboard
- Increased feature engagement by 15% through collecting user feedback and iterating on design
- Reduced Bluetooth connection latency by 30% with our **Android** app and embedded **C** firmware

Biomechatronics Student Design Team   Waterloo, Ontario
Developer   Sep '16 – Aug '17
- Filtered EMG noise caused by human jitters by implementing biomedical signal filters in **C++**
- Trained a linear classifier on Raspberry Pi to control a prosthetic robotic hand using **Python**

Projects

Scavenger Hunt   *github.com/yanske1/ScavengerHunt*
- Designed a **Flask** and **React** web application to host large-scale scavenger hunt games
- Developed an **Android** app connecting players to games and tracking their location and progress

Easy Password   *github.com/yanske1/EasyPassword*
- Created a password management app in **Rails** featuring 2FA using facial recognition

Spoilers Suck!   *github.com/yanske1/SpoilersSuck*
- Developed a Chrome extension using **JavaScript** that blurs out *Game of Thrones* spoilers
- Architected **Flask API** to predict if a text or an image is a spoiler using NLP and facial recognition

APPC Wind Tunnel
- Designed and built an **Arduino** based wind tunnel, integrated with a **Matlab** based GUI
- Led team through heavy pivots by defining new feature scopes and analyzing dependencies

Education

University of Waterloo   Waterloo, Ontario
Candidate for Bachelor of Computer Science & Minor in Statistics   Sep '16 – Apr '21 (Expected)
- 95% cumulative average, **first in class** for Fall 2016 and Winter 2017 term

Other

- **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