

Alessio Symons

☎ (+1) 519-817-2111 | ✉ alessiosymons@gmail.com | 🏠 asymons.ca | 📱 asymons | 📺 alessiosymons

Skills

Backend Express, Tornado, Spring, MongoDB, MySQL, Docker, HBase, Kafka

Frontend React, Redux, HTML5, CSS, SASS

Programming Javascript, Python, Java, C++

Relevant Experience

Riot Games

Los Angeles, California

SOFTWARE ENGINEERING INTERN (REMOTE)

June 2020 - Aug. 2020

- Reduced server load and guaranteed atomicity when creating player rewards which decreased requests from 5 to 1
- Modified existing reward data models to allow flexible sponsor logo placement to meet sponsor requirements
- Developed a linear fault-tolerant algorithm to randomly select winners out of 100,000+ users
- Designed and implemented a strategy pattern solution to determine how rewards are distributed

Wish

Toronto, Ontario

SOFTWARE ENGINEERING INTERN

Jan. 2020 - Apr. 2020

- Created tools to automatically generate alerts and dashboards for REST endpoints and reports
- Implemented features to support limited time promotions based on referrals from partners
- Developed merchant.wish.com/partner-developer to support users of Wish's public facing APIs
- Improved pipelines by integrating an auto generated changelog from Open API specifications
- Built data powered reports from MongoDB to track success of initiatives

Wish

San Francisco, California

SOFTWARE ENGINEERING INTERN

May 2019 - Aug. 2019

- Implemented wish.com/careers to support HR workflows and improve public branding
- Developed the order history page in React with new designs that impact millions of users
- Built A/B testable features that ran on the product feed and cart page which improved GMV by 3.6%
- Improved global payment coverage by integrating 3ds2 support with a payment processor for EU users
- Created a UI component library and exploration tool to improve engineering workflows of new hires

D2L

Toronto, Ontario

SOFTWARE DEVELOPER INTERN

Sept. 2018 - Dec. 2018

- Reduced course generation time by 33% by asynchronously authenticating a collection of users
- Modified a study tool by implementing the Cloze algorithm in Python which increased the volume of content by 74%

Connected

Toronto, Ontario

SOFTWARE ENGINEERING INTERN

Jan. 2018 - Apr. 2018

- Engineered a logistics portal using React, Oracle SQL and Spring Boot (Java)
- Visualized over 100,000 data points with pagination and infinite scrolling

Projects

Supporting Healthcare Workers Website

- Designed and developed thankhealth.org using React, Express and MongoDB to collect thank you notes and spread positive messages
- Created a paginated list with a search index and location filters to display thank you notes
- Utilized a natural language processing model to filter spam and defamatory messages

Open Source MMORPG Game Client

- Created a trade monitoring feature for 65,000 active players on a game client in Java for runelite.net
- Conducted peer reviews to validate other users' code contributions for best practices

Education

University of Waterloo

BACHELOR OF COMPUTER SCIENCE

Sept. 2016 - Exp. Apr. 2021