

stephen melinyshyn

✉ smmeliny@edu.uwaterloo.ca 🌐 melinysh.me 🐦 melinysh 🔄 melinysh

➤ employment

Shopify

Toronto, ON

Software Developer Intern
Jan 2017 to Apr 2017

- Contributed to the **backend** of Shopify's Sell On Amazon sales channel that allows for Shopify merchants to sell directly on Amazon.com
- **Reduced response time by over 70%** on key webpages by refactoring, optimizing database tables, and caching computationally expensive calculations
- Helped ship and **run zero-downtime schema migrations** on active tables with millions of rows

Wattpad

Toronto, ON

Software Engineering Intern
May 2016 to Aug 2016

- Brainstormed, developed, and shipped new features and improvements to Wattpad's iOS app
- Intern on Product Growth team, responsible for creating, implementing, and running **A/B experiments** to accelerate user growth through thoughtful and rapid iteration
- Increased monthly usage by over **10 million minutes**

➤ projects

Fastify - bit.ly/fastify

Feb 2017

- Prize-winning Download Accelerator as a Service written in **Go** at QHacks
- Coordinated an **EC2** cluster to download then seed files with **BitTorrent** to achieve 4x typical download speeds for clients

Nfinite.space - bit.ly/nfinite

Sep 2016

- Prize-winning cloud storage service that stores files without the need for a datacenter by intelligently and dynamically sharding files to connected peers
- Solely responsible for developing our backend using **Go** and **CockroachDB** on **AWS**

WWDC Student Application - bit.ly/my-wwdc16

Apr 2016

- Winning application for **Apple's WWDC Student Scholarship** in 2016
- Designed and developed independently from the ground up
- Featured a beautiful custom stacked cards interface with a natural UX

Chkmail, Gmail In Your Terminal - bit.ly/chkmail

Jan 2016

- Elegant command-line based Gmail client written entirely in **Go**
- Enables quick checking of email right from the comfort of your terminal
- Utilized OAuth, Gmail API, terminal user interfaces

NearbEYE - bit.ly/nearbeye

Oct 2015

- Winning **augmented reality** app to help explore the City of Waterloo with open data
- Implemented model layer and key algorithms for selecting relevant data based on user location and compass direction

Project Clay, a Twitter Activity Service - bit.ly/projectclay

Jun 2015

- Recreated a personalized version of Twitter's "Activity" feature in **Go** with **MongoDB**
- Collected, analyzed, and stored millions of tweets in order to detect near real-time events using **AWS** infrastructure

➤ skills

LANGUAGES

Go
Ruby
Swift
Objective-C
C++
Python
SQL

TOOLS

Vim
Xcode
Instruments
Git
AWS
GDB
MySQL

➤ awards

Apple Inc, WWDC Scholarship

- Won international competition for a ticket to Apple's World Wide Developers Conference in **2014, 2015 and 2016**
- Developed an Objective-C & Swift application with creative and playful UI
- Judged and chosen by Apple out of thousands of applicants to receive scholarship

QHacks, Best Use of AWS

Feb 2017

Awarded for work on Fastify.

Hack The North, Best Use Of AWS

Sep 2016

Awarded for work on Nfinite.space.

CODEFest, 3rd Place

Oct 2015

Awarded for work on NearbEYE.

Tech Retreat Hackathon, 1st Place

Aug 2015

Awarded for work on MarketMesh.

➤ education

University of Waterloo

BSE Software Engineering 2020

President's Scholarship of Distinction

➤ interests

Biking, Boarding, Hiking, Photography, Ping Pong, and Twitter