

Ryan Knauer

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Education

2015 to 2019 (Expected)

The University of British Columbia - Vancouver, BC

- Bachelor of Science in Computer Science

Work Experience

May 2018 to August 2018

Google - Translate Team - Software Engineering Intern - Mountain View, CA

Google Translate Web Feature (Javascript, C++, SOY)

- Built a translation validation crowdsourcing feature providing ML data for improving translation quality
- Resulted in a 30x increase in quality contributions
- Developed a responsive UI aiming to maximize user engagement
- Implemented a preference storing API cutting future dev time for new additions from days to minutes

January 2018 to April 2018

Amazon Inc - Prime Team - Software Engineering Intern - Vancouver, BC

Plan Comparison Project (Javascript, FTL, HTML, JSP) | Business Experiments

- Designed, implemented, and released a mobile plan comparison page targeting membership upgrades
- Successfully pitched business impact and project goals to high-level managers
- Integrated an interactivity feature exposing integral data points for use across the Prime platform
- Implemented multiple business experiments targeting customer retention

June 2017 to September 2017

Little Labs Inc - Software Engineering Intern - Venice, CA

Facer (Swift, Java, Javascript, HTML5, Parse) | Mobile iMessage Game (Swift, JS, HTML5)

- Developed and released an Android/Tizen smartwatch companion app for iOS to a user base of 1M+
- Engineered an abstracted HTTP watchface syncing system, enabling iOS syncs 6x faster than competition
- Built a turn based multiplayer game for iMessage utilizing iOS 11 features
- Constructed a back-end via Firebase synchronizing game turns over all players' devices

January 2017 to July 2017

AreteHub - Software Engineering Intern - Vancouver, BC

Our Treat (Swift, Node, SQL) | <https://github.com/OurTreatApp>

- Developed a full-stack mobile application for iOS utilizing AWS and Serverless Framework
- Constructed a relational database exposed as a REST API using Lambda and API Gateway
- Implemented user sign up and sign in via AWS Cognito

May 2016 to April 2017

University of British Columbia - Teaching Assistant - Vancouver, BC

CPSC 110: Computation, Programs, and Programming

- Led office hours and labs to teach students systematic techniques for problem solving using recursion
- Covered tree/graph traversal and implementation, generative recursion, abstraction, and tail-recursion

Relevant Projects

June 2016

Photo Sharing Social Media App (Swift, Python) | <https://github.com/ryanknauer/iosLocalPhotoSharingApp/>

- Developed a social media app using Django Rest Framework, allowing users to post images and videos to be seen, voted on, and commented on by other users in their nearby location