

# Matthew Tse

SOFTWARE ENGINEER

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## EXPERIENCE

### Credit Karma

San Francisco, USA

### Software Engineer

Aug 2017 - Current

- Current tech lead of audience forecasting service, enabling stakeholders in marketing and product to iterate and test eligibility rules, shortening the QA cycle of launching a content campaign from 2 days to within minutes.
- Designed and delivered offers-testability service, a company wide p0 initiative that allows partners, developers and QA to test offer changes before shipping them live.
- Main engineer on the Daily Pull project that enables daily score updates for 100MM members.
- Worked on delivering Identity Monitoring and Credit Lock products from scratch.
- Partnered with the engineering manager to kick start the internship program, which now hires students throughout the year from many different universities in Canada and US

### ProNavigator

Waterloo, Canada

### Software Engineer

Jan - Jun 2017

- Designed and built a reusable chatbot system that eliminated the duplicative work that used to cost the company 2 part time employees.
- Delivered 3 chatbot and interactive chat UI prototypes from scratch for new client acquisition, eventually securing all 3 deals after the pitch and demo.

### AdmitHub (Harvard Innovation Lab)

Boston, USA

### Software Engineer Intern

Sept - Dec 2016

- Worked on optimizing the data pipeline and migrating to a new deep learning NLP Keras engine, increased sentence recognition accuracy by over 50%.
- Delivered a data validation tool that sanitizes incoming data, eliminating hours of manual data cleanups every month.

### AMD

Toronto, Canada

### Software Engineer Intern

May 2013 - Apr 2014

- Created and maintained a test suite with bash and perl scripts to automatically collect data from over 150 reference platforms to establish relative performance of competing products.
- Prepared decks for press releases with the aggregated data (7850K and FX-9590).

## EDUCATION

### University of Waterloo, Canada

Class of 2017

- B.A.S.c Candidate for Computer Engineering with Entrepreneurship Option

## PROJECTS

### Gestur

- American Sign Language interpreter. Python, TensorFlow, JS, AZ Alexa

### Winner, SpartaHack

Jan 2017

### Scout

- User sentiment analysis for content publishers. Flask, wsgi, JS, Azure

### Winner, Hack the Valley

Feb 2017

### Watchr

- Real time evacuation alert monitoring for mobile devices . Java, JS, Node

### Winner, HackPrinceton

March 2017