

# Sean Chow

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## SKILLS

### Languages:

Python, Javascript, Typescript,  
HTML5/CSS3, SQL, Java, C

### Frameworks:

React/Redux, Django, Flask,  
NodeJS, EmberJS

### Dev Tools:

Docker, CircleCI, Tox, Gemfury,  
Webpack, Babel, Jest, Selenium,  
MongoDB, MySQL, Jira, Git, Linux

### Design:

Sketch, Photoshop, InVision

## AWARDS

### Hack The North 2016

Winner of best use of Coinbase API  
at The University of Waterloo

### Guelph Hacks 2018

Winner of best use of RightMesh API  
at The University of Guelph

## EDUCATION

### University of Guelph

Software Engineering Co-op  
Expected Grad. May 2020

## TEACHING

### Teaching Assistant

Software Design - CIS\*1250  
Conducting labs teaching the basics of  
software development and marking.

## WORK EXPERIENCE

### Wave

Software Developer

Jan 2019 - Present

Toronto, ON

- Part of the developer systems team, creating tools and solving problems to increase developer efficiency and reliability
- Created a Python package to cache Django web pages on redis, linked with a logging interface for Datadog

### Zenreach

Software Developer

May – Aug 2018

Waterloo, ON

- Worked on new product features from the design inception to code deployment, leveraging the React/Redux framework using Javascript/HTML/SASS
- Took control over implementing new endpoints and creation of models in the Django framework written in Python
- Wrote modular, re-usable React styled components and higher order components to be used by other engineers

### FreshBooks

Software Developer

Sep – Dec 2017

Toronto, ON

- Wrote celery tasks to handle the batch sending of 10,000+ daily Apple push notifications written in Python in conjunction with the Flask framework
- Followed up on implementations using A/B testing and created dashboards in Periscope to monitor feature success
- Engineered front end features using the EmberJS framework using Javascript/HTML/SASS, maintained with automatic tests written in Cucumber leveraging the Selenium framework

### Tulip

Full-Stack Developer

May – Aug 2017

Waterloo, ON

- Took customers data feeds and product catalogs and transformed them into usable data objects in PHP and storing them in a database with MySQL
- Created REST API endpoints to help fulfill product initiatives and provide cross team functionality to access information

## PROJECTS

### Just a Bit

- Used the Coinbase API to create an Android application in Java to act as a secure point of sale for street performers

### Veil

- Veil was an Android application used to solve the issue of health record information transfer in rural communities
- Built an offline information transfer system to encrypt and transfer health records peer to peer Using the Right Mesh API through a mesh network

### Inbox Marketer

- Under the supervision of Dr. Daniel Gillis worked closely with a local e-mail marketing company to investigate their data set and generate actionable insights
- Using Tensorflow and iPython, trained models (Linear Regression & Recursive Neural Network) to predict the optimal time to send an e-mail