

# Sam Yu

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## SKILLS

### Languages

- JavaScript
- Python
- C / C++
- SQL
- HTML
- CSS / SCSS
- Bash
- Swift

### Frameworks & Technologies

- React
- Django
- Node.js
- Express.js
- REST API
- PostgreSQL
- Unix
- MongoDB
- Google Cloud Platform
- AWS
- Redux
- Kubernetes
- Docker

## EDUCATION

### University of Waterloo

Bachelor of Computer Science  
Class of 2023 (Expected)

#### Relevant Coursework:

- Object-Oriented Software Development
- Data Structures and Algorithms
- Algorithm Design
- Functional Programming

## AWARDS

### Samsung Scholarship • 2018

Samsung  
Awarded \$2000 as part of the  
2018 Summer Student Program

### Bus Wrap Design Winner • 2016

MiWay  
Created winning design featured on  
a City of Mississauga Transit Bus

## EXPERIENCE

### Webveloper • Software Engineer

Palo Alto, CA (Remote)

React, JavaScript, Google Cloud Platform, Kubernetes, Docker Dec 2018 - Ongoing

- Improved SEO by 40% for **over 150 customer sites** by configuring site metadata in Google Cloud Platform, pre-rendering static sites using react-snap, and **implementing SEO-focused site generation** with react-helmet and react-router
- Accelerated site **deployment speeds by 70%** through implementing fully customizable React components to **autonomously generate site demos** based on customer input

### OnCall Health • Full Stack Software Engineer

Toronto, ON

Django, Python, React, Alt.js, PostgreSQL, REST API, AWS May - Aug 2019

- Increased small business **sign-ups by 30%** by implementing a **self-serve sign-up flow** using Django Rest Framework for API development and React in combination with Alt.js for state management
- Built a **client-facing dashboard** displaying administrative **analytics** through SQL **database queries** using Django, PostgreSQL and chart.js
- Spearheaded creation of REST API documentation using Swagger

### Sourcedfact.com • Software Engineer

Toronto, ON

Django, Python, React, JavaScript, Sendgrid, Jupyter Sep 2019 - Ongoing

- Developed an **algorithm** to increase the **detection speed of credible Reddit users by 200%** using Python Reddit API and Jupyter notebooks (Google Colab)
- Redesigned the **user sign-up feature** using REST API development and Sendgrid API, increasing the sign-up of credible fact checkers by 20%

## PROJECTS

### WaterlooWorks Skill Search • API / Web Client

December 2019

Node.js, Express.js, MongoDB, React, Redux, AWS, Mongoose.js

- Developed a Node API and React client that scrapes jobs from the University of Waterloo's co-op job portal and presents **personalized job postings** based on the user's unique skillset

### stylist.ai • Machine Learning / Android App

November 2019

Tensorflow, Keras, Pandas, Python, Google Cloud AI Platform

- Created a **deep learning model** that reworks a given wardrobe and personalizes outfits based on the user's style preferences using Keras, Tensorflow, and Google Cloud AI Platform

### Guidin' George • SMS Application

June 2019

Python, Django, Twilio, PostgreSQL, Google Maps API

- Developed an **SMS application** that provides users with directions without the need for an internet connection using Django Rest Framework, Twilio SMS API and Google Maps API