

# Wyatt Carss

Leader, Developer, and Fact Sponge.

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<https://wcarss.ca>

<https://github.com/wcarss>

## Selected Work

### Senior Engineering Manager, Client SDKs

Nov 2021 – Nov 2023

Daily

(Remote) San Francisco, CA

- Managed the Client SDKs team, covering **all of our web browser and mobile client work**.
- **Massive technological scope** across the team: we used Rust (a lot!), JS+Typescript, C, C++, Kotlin, Swift, Python, Objective-C, and gallons of build+glue code, to build a **great WebRTC SDK**.
- Balanced **process improvements**, managing a **team of 10**, hiring, and individual contributions to build systems, releases, and features, while **maintaining a culture of kindness and psychological safety**.

### Full Stack Engineer

Jan 2019 – Oct 2021

Wisely

(Remote) Toronto, ON

- Wrote **a lot of Javascript** and Python, using React+Redux, FeathersJS, MongoDB, and TensorFlow.
- Built **anything the business needed**, from CSS fixes to **Machine Learning R&D**, auth flows, database optimization, cloud networking, kubernetes config, user research — the list goes on!
- Devised and smoothly shipped a **major re-architecture** from 1-server-per-client to 1-server-per-region, enabling self-serve signup, reducing costs, and **freeing us to scale at any pace**.

### Engineering Manager, Payments

Jan 2016 – Sept 2017, previous: **Senior Developer**, Feb 2012 – Dec 2015

FreshBooks

Toronto, ON

- Mentored and coached a **hugely successful team** of ~5 developers from **all experience levels**.
- Major personal role in **achieving PCI compliance** on payment systems handling **billions of dollars**: designed processes, led team efforts, directly wrote code, and worked with auditors at review time.
- Read, wrote, and reviewed JS, Python, PHP, and Ruby **code and docs** for APIs, integrations, payments, and front-facing features, **used by millions of people**.

## Education, Internships, and Honours

### Bachelor of Computing

Sept 2007 – Dec 2011

### School of Computer Science, University of Guelph

Guelph, ON

- McLeish Award for **highest average** in computing courses in a given year.
- **Internship at Google**: Worked on content-editable text selections and test infrastructure for **WebKit**.
- **Internship at Microsoft**: Enabled links from sandboxed Office documents, committing code to **Word**, **Excel**, and **PowerPoint**.
- **President** of the **Society of Computing and Information Science**, and **Senator** for the Bachelor of Computing Degree; Judicial committee member and Human Rights tribunal fact finder.

### Award of Excellence

Jun 2011

### Innovation Guelph / Chamber of Commerce

Guelph, ON

- For creating **The Guelph Seven** and related work as an organizer, fundraiser, and developer.