# Sebastian Rodriguez

srod.ca    me@srod.ca

I'm a software engineer with 3+ years of experience building interactive web applications. Passionate about developing inspiring and empowering experiences that bridge the gap between design and programming.

## Experience

**Software Developer** — Jan 2023 - Present
Scholars Education

- Implemented resource-saving measures on the company's AWS server, reducing monthly hosting expense by 50%.
- Conducted an accessibility and security audit, bringing the company's website up to WCAG/AODA standards and helping to compete in a school board contract.

**Web Developer & Research Assistant** — Sep 2022 - Present
University of Toronto, Failure: Learning in Progress

- Collaborated with researchers to tailor a website around the project's resources.
- Conducted 8 usability tests with the project's target audience to learn about user behavior and identify problems with the website's functionality.

**Freelance Software Developer & UX/UI Designer** — Aug 2018 - Present

- Partnered with small businesses, non-profits, and individuals to develop over 15 dynamic websites using custom management systems.

**CDHI Research Fellow** — Winter 2022
University of Toronto

- Researched user manipulation in web development and design.
- Created a website to help students identify and contextualize deceptive design.
- Developed curriculum for an undergraduate course with 800+ students.

**Director, Web Development** — Oct 2019 - Sep 2020
ICCIT Council @ University of Toronto

- Designed a WordPress website that increased monthly views by 70% and extended the average length of user sessions by 64%.
- Implemented an e-commerce platform for the council's merchandise, increasing monthly sales by 32%.
- Managed a virtual private server, provided on-call security and performance monitoring, and ensured 0% downtime.

## Education

**Bachelor's degree, Informatics, Human-Computer Interaction** — April 2024
University of Toronto, Faculty of Information

- Second-entry professional program. Previously studied computer science/ICT.
- **Focus:** Interactive Systems Design, Web Development, Data Science
- **Awards:** CDHI Fellowship Award (2022), UTM HIS Best Research Paper (2021)
- **Committees:** Undergraduate Appeals (2023), CDHI Sureveillance Learning (2022)

## Qualifications

Object-Oriented Programming
SDLC – Lean, Agile, Waterfall
Responsive Web Design
UX/UI Design – Figma, Adobe
Universal Design – WCAG
Web Analytics
Design Thinking

JavaScript – React, jQuery
PHP – Laravel, WordPress
HTML/CSS – Tailwind, Bootstrap
SQL – MySQL, PostgreSQL
Python – Intermediate
Ruby – Introductory
C++ – Introductory
R – Introductory

## Projects

**Learn from Failure** – WordPress
srod.ca/work/learn-from-failure

**Deceptive Design** – WordPress
srod.ca/work/deceptive-design

**School Tax Returns** – Laravel
grytte.org

**Study Rooms @ UofT** – UX
srod.ca/work/study-rooms

**ICCIT Council** – WordPress
iccitcouncil.com

## Publications

**United States of Surveillance**
IDEAH, Vol. 3, Iss. 2, 2023

## Presentations

**Deceptive by Design**
CDHI Conference, 2022

**U.S. Mass Surveillance**
DHSI Conference, 2021