

# Matthew Francis

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## EDUCATION

**Wilfrid Laurier University (Computer Science GPA: 3.9/4 )**

*Honours Bachelor of Science, Computer Science*

Waterloo, ON

Sep 2018 - Present

## EXPERIENCE

**[Starty](#) | Waterloo, ON – Founder & Full-Stack Software Developer**

Aug 2021 – Present

- Collaborated with team for ideas, business plan, marketing plan, and engineering to create a platform for people to collaborate with **GitHub Actions**, **Next.js**, **React-Spring**, **Typescript**, **HTML**, **SCSS**, **BEM**, **CSS**, **JS**, **Express.js**, **PostgreSQL**, **Liquibase**, **Figma**, **Lighthouse**, **axe**.
- Collaborated with mentors in accelerator to challenge decisions, address market research and pivot on ideas.
- Used **Git** and **GitHub Actions** to conduct code reviews, raised pull requests, pushed code, and operate CI/CD.

**Habanero | Toronto, ON – Frontend Software Developer**

Sep 2021 – Jan 2022

- Collaborated with design, operations and engineering team to develop a web application for over a dozen of clients with **Azure DevOps**, **React**, **React-Spring**, **Typescript**, **HTML**, **SCSS**, **BEM**, **CSS**, **JS**, **Figma**, **Lighthouse**, **axe**.
- Involved in agile methodology that included biweekly scrum, backlog refinement, check-ins, QA, and retrospective.
- Used **Git** and **Azure DevOps** to conduct code reviews, raised pull requests, pushed code, and operate CI/CD.

**Badal | Toronto, ON – Full-Stack Software Developer**

May 2021 – Sep 2021

- Collaborated with design, operations and engineering team to develop a Shopify application that automates sales for Shopify stores with over hundreds of products and users with **GitLab**, **React**, **Redux**, **Typescript**, **PostgreSQL**, **GraphQL**, **Express.js**, **Docker**, **HTML**, **SCSS**, **BEM**, **CSS**, **JS**, **Lighthouse**, **axe**.
- Involved in agile methodology that included biweekly sprints, backlog refinement and daily stand-ups.
- Used **Git** and **Gitlab** to conduct code reviews, raised pull requests, pushed code, and operate CI/CD.

**Laurier Computer Science Club | Waterloo, ON – Lead Software Developer** Sep 2020 – May 2021

- Led 15 team members in designing and engineering a web application for the club with **React**, **HTML**, **SCSS**, **CSS**, **JS**, **Figma**.
- Held weekly meetings to explain technology stack and version control with **Git**; used agile methodology that included biweekly sprints and backlog refinement; used **Git** and **GitHub Actions** to conduct code reviews, raised pull requests, pushed code, and operate a CI/CD pipeline.

## PROJECTS

**[Steam](#) – React, Redux, Typescript, HTML, SCSS, CSS, JS, Express.js, PostgreSQL, tested with React Testing Library**

- Replicated Steam's website, the largest video game retailer for PC games. Users can browse for games and discounted games; add games to their cart; create, edit, delete reviews for games; authenticate; upload profile picture and edit their profile.
- Data is normalized to BCNF and is stored in PostgreSQL. Authentication is done with cookies, JWTs and refresh tokens. Used security practices against XSS / CSRF attacks.

**[Blizzard](#) – React, React Spring, Redux, Typescript; HTML, SCSS, CSS, JS, tested with React Testing Library**

- Replicated Blizzard's website, known for publishing games like Call of Duty and World of Warcraft. Users can view pages for each game. Used React Spring to create physics-based animations like accordion, image parallax, and card flip.

**[Kijiji](#) – React, React Spring, Redux, Typescript; HTML, SCSS, CSS, JS, tested with React Testing Library**

- Replicated Kijiji's website. Users can create, edit, and delete their listing; upload a display picture to their listings, search listings based on category and location; view personally created listings; authenticate.
- Data is normalized to BCNF and is stored in PostgreSQL. Authentication is done with cookies, JWTs and refresh tokens. Used security practices against XSS / CSRF attacks.

## TECHNICAL SKILLS

**Frontend:** React, Next.js, React-Spring, Redux, Typescript, React-Testing-Library, Enzyme, Jest, HTML, SCSS, BEM, CSS, Bootstrap, JS, Figma, Lighthouse, axe, Java, Python, Android Studio

**Backend:** Authentication, Database Normalization, Docker, CI/CD, Node.js, Express.js, PostgreSQL, MongoDB, GraphQL, Liquibase

**Tools:** Git, AWS, Gitlab, Azure DevOps, TravisCI, GitHub Actions, Shopify, Microsoft Teams, Slack, Heroku, Vercel