

AUSTIN BRAY

Toronto, Ontario

☎ 647-982-3309

✉ austin.bray77@gmail.com

🌐 [linkedin.com/in/austin-pj-bray](https://www.linkedin.com/in/austin-pj-bray)

🐙 github.com/AustinBray77

Skills

Programming Languages: Rust, TypeScript, JavaScript, Python, C, C#, SQL, C++, Bash

Frameworks: ReactJS, Node.js, Express.js, Rocket, Tauri, Pandas, .Net, WinForms, Tailwind, Flutter

Tools: Linux, Git, GitHub, Makefile, AWS, Azure, Jira, VS Code, Windows

Experience

CIBC

May 2024 – Aug. 2024

Test Quality Assurance Analyst, Co-Op

Toronto, Ontario

- Worked in the **Enterprise Technology** department using the **Microsoft Azure Suite** to execute, validate, and debug **ETL data pipelines** for large-scale data transfer.
- Improved testing speeds by **63%** by implementing the appropriate **algorithms and data structures** with **Python** and **SQL** into Databricks notebooks to optimize the testing process for configuration files.
- Assisted in **onboarding teammates** to the Azure Cloud system by leading multiple knowledge transfer sessions.
- Actively participated in **AGILE** workflow involving daily stand-up and defect triage meetings, along with **SharePoint**, **JIRA** and **Confluence** for workflow management.

Tumblewire, Inc.

Jun. 2021 – Apr. 2024

Software Developer, Part Time - Contract

Toronto, Ontario

- Led the design and development of **full-stack** testing services using **JavaScript**, **ReactJS**, and **Node.js**.
- Improved testing speeds by **55%** with a role-based testing service using a **RESTful API** to validate access rights on an unlimited number of pages asynchronously.
- Achieved a **40% increase** in front-end development speed by developing a class-scanning service to locate where CSS classes are used on a site.
- Communicated closely with a client to build and deploy a company site using **Webflow** and **JQuery**.

Projects

RSD Password Manager | *Rust, TypeScript, ReactJS, Tauri, Tailwind, Rocket, AWS Lightsail*

Jun. 2023 – Present

- Built a desktop password manager application for securely managing passwords offline.
- Designed a **multi-repo solution** to connect the desktop client with a custom encryption module and backend server.
- Created a **RESTful API** using **Rust (Rocket)** to process and rate-limit two-factor authentication requests.
- Used the **Tauri** framework to transfer information between the **Typescript (ReactJS)** front end and **Rust** back end.

BinBuddy | *Dart, Flutter, Google Cloud Platform, Firebase*

Dec. 2023 – Feb. 2024

- Worked in a team of three to build a **mobile** waste tracking application for the Google Solutions Challenge.
- Used **Google's AI Vision API** to detect whether a given object is trash, recycling, compost, etc.
- Implemented the **Google Maps API** to direct the user to where they can dispose of unusual objects.
- Used **Firebase** to create a secure and stable authentication system.

AustinBray.com | *TypeScript, JavaScript, HTML, CSS, Bootstrap, AWS Amplify, AWS Route 53*

Jun. 2022 – Present

- Developed a **React-based** portfolio site utilizing **CSS** and **JavaScript** for dynamic animations.
- Constructed a **continuous deployment pipeline** from the **GitHub repository** to AWS Amplify.
- Used my **strong knowledge of web technologies** to integrate **TLS** and **HTTPS** effectively.

Education

McMaster University

Sep. 2023 – Apr. 2027

Bachelor of Applied Science in Computer Science, GPA: 4.00/4.00

Hamilton, Ontario

- **Relevant Courses:** C Development Basics, Web Programming, Computational Thinking, Discrete Math
- **Independent Courses:** Data Engineering on Microsoft Azure, Generative AI Fundamentals, Azure Fundamentals

Extracurriculars

Chess In The Library

Sep. 2021 – Jul. 2023

Senior Executive Webmaster

Markham, Ontario

- Used the **WordPress** platform to market and advertise online chess tournaments to dozens of players.
- Troubleshooted hosting issues to fix an unexpected server outage and restored site function in **under 24 hours**.
- Helped **recruit** and **train** three other web developers on **WordPress** and **HostGator** hosting systems.