

AUSTIN BRAY

Toronto, Ontario

☎ 647-982-3309

✉ austin.bray77@gmail.com

🌐 linkedin.com/in/austin-pj-bray

🐙 github.com/AustinBray77

Education

McMaster University

Sep. 2023 – Apr. 2027

Bachelor of Applied Science in Computer Science, CGPA: 12.00/12.00

Hamilton, Ontario

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

Experience

CIBC

May 2024 – Aug. 2024

Test Quality Assurance Analyst, Co-Op

Toronto, Ontario

- Used the Microsoft Azure Suite to validate ETL data pipelines for 5 major data products using Python and SQL, covering; ASCII, RDBMS, and EBCDIC data types.
- Assembled DataBricks notebooks to automate the testing process for configuration files, improving testing speeds by 63%.
- 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 JIRA and Confluence for workflow management.

Tumblewire, Inc.

Jun. 2021 – Apr. 2024

Software Developer, Part Time - Contract

Toronto, Ontario

- Built a role-based testing service to asynchronously validate access rights on an unlimited number of pages, improving testing speeds by 55% using Node.JS
- Developed a Node.JS driven class-scanning service to locate where CSS classes are used on a site, improving front-end development speeds by 40%.
- Communicated closely with a client to build and deploy a company site using Webflow and JQuery.

Projects

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

Jun. 2023 – Present

- Built a desktop password manager application for securely managing passwords offline.
- Implemented AES 256bit salted encryption in a custom encryption library hosted through a private GitHub repository.
- Created an AWS Lightsail server using Rust (Rocket) to process and rate-limit 2FA requests to the Twilio API.
- Used the Tauri framework to transfer information between the Typescript (React) front-end and Rust backend.

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

Dec. 2023 – Feb. 2024

- Worked in a team of three to build a multiplatform waste tracking application for the 2024 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 the object if it was e-waste/textiles.
- Created a leaderboard system to incentivize users to recycle and compost more.

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 to deploy from the GitHub repo to AWS Amplify instantly.
- Used Bootstrap 5 to standardize and minimize the use of raw CSS in development.

Skills

Languages: Rust, TypeScript, JavaScript, Python, SQL, C, C++, C#, Dart, Java, Bash, HTML, CSS, SCSS

Frameworks: React.JS, Rocket, Tauri, .Net, JQuery, Win32 API

Tools: VS Code, GitHub, Linux, AWS, Azure

Leadership / Extracurricular

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.