Brandon Mai

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Technical Skills

Languages and Frameworks: Python, Elixir, React, TypeScript, JavaScript, Java, HTML, CSS, Bash
Tools: Git, Kubernetes, Docker, PostgresQL, Postman, GraphQL, Linux, Datadog, BugSnag, AWS

Experience

theScore   Toronto, ON
Software Engineer Intern, Fullstack   Sept. 2025 – Dec. 2025

- Fullstack Development Internship in Fall 2025 on the Sportsbook Features (Livestreaming) team

theScore   Apr. 2025 – Aug. 2025
Software Engineer in Test Intern   Toronto, ON

- Optimized backend sorting logic to prioritize highest impact providers in **Elixir**, deploying to production via **ArgoCD**
- Built unit and integration tests for backend APIs, improving test coverage and reducing post-deployment risks
- Utilized **Datadog** and **Bugsnag** dashboards to monitor and debug defects raised in production environment
- Developed and distributed an internal tool to streamline manual QA workflows, reducing testing time by **30%**
- Won **1st** place in a company-wide case study by presenting product solutions to VPs and **100+** attendees.

theScore   Jan. 2025 – Apr. 2025
Software Engineer in Test Intern   Toronto, ON

- Led end-to-end testing (functional, regression, smoke) for **3** major features across four different apps (ESPN BET, theScore Bet, theScore Casino, and Hollywood Casino), impacting over **700K+** users
- Contributed to **3** bug bash sessions with **100+** participants, uncovering edge cases and potential release blockers.
- Conducted white-box testing by validating PostgreSQL data and running Elixir scripts in Kubernetes pods
- Reported and triaged **50+** P1 bugs in production, and executed over **5000+** test cases.

Projects

Mai Fitness ↗ | React, JavaScript

- Developed a dynamic Fitness Gallery website in **React**, leveraging hooks for efficient state management.
- Integrated real-time data from Rapid and YouTube **APIs** to enable users to search and filter exercises seamlessly.
- Built complex interactive loading bars and drop down menu animations to enhance UX and responsiveness

Boggle ↗ | Elixir

- Designed a recursive backtracking algorithm to efficiently explore word combinations on a 2D board with cell tracking
- Optimized word search by using Elixir's MapSet for fast validation and prefix pruning to eliminate invalid paths early

Education

Toronto Metropolitan University *(Formerly Ryerson University)*   Sept. 2022 - Apr. 2027
B.Sc in Computer Science   Toronto, ON

- **Awards**: Entrance Scholarship (95%+)
- **Coursework:** Data Structures, OOP, Operating Systems, Computer Architecture, Databases
- **Extracurriculars:** President of Chinese Student Association, President of Badminton Club, Varsity Badminton Player