Benjamin Wang

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EDUCATION

University of Waterloo   Waterloo, ON
Bachelor of Computer Science   *Sep. 2023 – Apr. 2028 (Expected)*

TECHNICAL SKILLS

Certifications: AWS Certified Cloud Practitioner
Languages: Python, JavaScript, TypeScript, C++, PHP, SQL, HTML/CSS, Bash
Frameworks and Databases: React.js, Node.js, FastAPI, Vue.js, MySQL, Express.js, Axios, Jest, Couchbase (NoSQL)
Familiar Technologies: Git, Docker, Linux, Jira, Figma, Bootstrap, Wrike, Firebase

EXPERIENCE

Software Engineering Intern   Sep. 2025 - Dec. 2025
MedMe Health Inc. (YC W21)   *Toronto, ON*
- Implemented MCP endpoints exposing appointment and pharmacy details using **FastAPI**, which enabled conversational AI platforms (Retell AI) to let patients book appointments through AI assistants
- Developing an AI scribe to automatically fill out pharmacy documentation from consultation transcripts, reducing manual note-taking

Full-Stack Developer Intern   Jan. 2025 - May. 2025
BizZone Inc.   *Gormley, ON*
- Developed a file directory with **Vue**, querying data from a **Couchbase NoSQL database** using SQL++, which resulted in a **78%** reduction in loading times compared to the old system
- Configured batch cron jobs with **PHP** and a **MySQL ORM** to automate membership renewals, saving associations an estimated **38** hours of collective work a month
- Designed and developed a user engagement tracking system by creating **MySQL** database entities and applying OOP principles and factory design pattern to modularize point calculation logic based on user activity

Full-Stack Developer Intern   Apr. 2024 - Aug. 2024
BizZone Inc.   *Gormley, ON*
- Developed dynamic and interactive graphs to visualize customer data surrounding finances and membership using **Vue, Typescript,** and **Apache Echarts** on the frontend and **PHP** and **SQL** for retrieving data
- Created a public directory using **OpenAI's API** for semantic search, enabling users to filter by location, name, and distance from a **MySQL** database
- Implemented data fetching in **TypeScript** using **Axios** for **RESTful API** calls to **PHP** action files, which reduced response times by **36%** through efficient request handling and SQL query optimizations

Front-end Developer Intern   Jul. 2023 – Aug. 2023
PrimaCare Community Family Health Team   *Ayr, ON*
- Developed a user-friendly and responsive patient website using **React** that is maintained to ensure up-to-date information for all patients
- Created comprehensive unit tests with **Jest** to validate event handling and state management logic, and deployed the website to **Firebase** for responsiveness and bug testing

PROJECTS

Clash Royale Win Predictor | *React.js, Node.js, TypeScript, MySQL, TensorFlow*
- Developed a full-stack Clash Royale (video game) analytics web app using **React.js, Node.js,** and **MySQL** to track and persist game match data retrieved from the official Clash Royale API
- Implemented RESTful API endpoints in **Node.js** to query **MySQL** database and preprocess data for a **TensorFlow** logistic regression model that predicts win probabilities from deck compositions

Memory Melody | *React.js, Node.js, Javascript, Auth0*
- Developed a music recommendation web app with **React.js, Node.js,** and **Spotify API** to create personalized playlists based on users' music tastes and listening history
- Enabled semantic filtering with **OpenAI API** and Spotify data extraction with **Auth0** to create a personalized user experience