

Lucas Chen

Software Engineer, Zynga (AdTech) · Toronto, Canada

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EXPERIENCE

Software Engineer, Zynga

May 2025 – Present · Toronto, ON

- Designed and led internal tooling for ad-serving configurations: an MCP (Model Context Protocol) server and tools that let AI assistants work with ad-serving configuration.
- Worked on an AI LiveOps agent that cut a workflow from 2–3 hours to about 20 minutes.
- Designed and led a project that helps games identify high-value ads.

Full Stack Engineering Intern, Hexagon Manufacturing Intelligence

May 2023 – Jun 2024

- Developed 15+ UI and 10+ API production features for the Nexus Platform, using React and Express with TypeScript.
- Reduced load times for user list pages by 97% by optimizing API calls and refining Express APIs.
- Cut test automation start-up time by up to 98% by parallelizing the Playwright test suite setup.
- Reduced API response time by up to 82% with an Azure Cosmos DB proxy that moved Express APIs to C# .NET database pagination.

Teaching Assistant, McMaster University

Sep 2022 – Apr 2023 · Hamilton, ON

- 1P13 Integrated Engineering Project (Sep–Dec 2022).
- 2GA3 Computer Architecture (Jan–Apr 2023).

Software Engineering Intern, Exchange Solutions

May 2022 – Aug 2022

- Made e-commerce client onboarding over 10x faster by building AWS Lambda components.
- Led an augmented reality proof of concept for a national loyalty program, built with 8th Wall WebAR and JavaScript.
- Raised a loyalty platform's user engagement by 4% by integrating it with blockchain assets, using Next.js, Ethereum and the Alchemy API.
- Built a real-time data visualization dashboard (D3.js, Snowflake), improving early error catching and data comparisons by over 10%.

AI Research Member, McMaster Artificial Intelligence Society

Oct 2021 – 2022 · Hamilton, ON

- Worked with a team of four developers on training a humanoid to walk and navigate obstacles in a ragdoll physics simulation.
- Used C# and Unity to train and simulate the humanoid.

Software Engineering Intern, InsideDesk

Jun 2021 – Sep 2021

- Found 50+ bugs through QA testing, validated bug fixes, and was the link between clients and the development team.
- Cut manual tasks by over 30% with custom JavaScript Slack bots that automate the customer onboarding notifications.
- Wrote automated end-to-end UI tests with Selenium and Python, cutting manual QA testing by 40%.

PROJECTS

Agent Platform github.com/lucasichen/agent-platform

Aug 2026 – present

A control plane for safely delegating software work to autonomous coding agents. TypeScript, Node.js, JSON Schema (Ajv), Commander, YAML

TennisBooker github.com/lucasichen/TennisUI

2023 – present

Books tennis and pickleball courts the moment booking opens, every morning. TypeScript, Playwright, React, Express, PostgreSQL, Auth0, Docker

PlatefulAI plateful-ai.vercel.app

Nov – Dec 2024

Mobile meal planner: pick meals, get a grocery list, track calories and protein. React, Vite, MUI, Auth0, Chart.js, Vercel

CarpoolX github.com/lucasichen/CarpoolX

Mar – Apr 2023

Android app that matches riders headed the same way so they can share a taxi. React Native, Python, Flask, Firebase, Google Maps Platform

Rest Day devpost.com/software/rest-day

Jan 2022

A workout planner that schedules rest days, not just workouts. Built at DeltaHacks 8. 2nd place, "To Work or Not To Workout" sponsor challenge (AI Endurance), DeltaHacks 8. React, Fitbit Web API, styled-components, Node.js, Figma

EDUCATION

B.Eng., Software Engineering (Co-op), McMaster University

2020 – 2025

Dean's Honour List (2020–2023) · McMaster Honour Award (2020–2023) · Courses: System Design, Data Structures and Algorithms, OOP, Software Design, Databases

SKILLS

Languages: TypeScript, JavaScript, Python, Java, C#, SQL, HTML/CSS, Bash

Frontend: React, React Native, Next.js, Vite, MUI, TanStack Query

Backend & data: Node.js, Express, .NET, Flask, Prisma, PostgreSQL, MongoDB, Azure Cosmos DB, Firebase, DynamoDB, Swagger

AI & agents: Model Context Protocol (MCP), Claude Agent SDK, Claude Code, Cursor

Testing & automation: Playwright, Vitest, Jest, Selenium

Infra & tooling: Docker, Git, GitHub Actions, GitLab CI, Vercel, AWS (Lambda, S3), Auth0, Azure DevOps