Alexander Eckardt

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WORK EXPERIENCE

Software Developer   Sep. 2024 – May 2025
Samos Insurance   Kitchener, ON
- Redesigned the online quoting platform, directly contributing to a high-value partner deal managing benefits for **100,000+** external employees.
- Delivered full-stack enhancements to the internal Admin System, increasing administrator productivity by **20%**.
- Built 20+ Serverless API endpoints using AWS Lambda, reducing system latency by **30%**.

Business Data Analyst Intern   May 2024 – Sep. 2024
Samos Insurance   Kitchener, ON
- Designed and built a streamlined Claims Portal focused on intuitive UX for end users.
- Implemented advanced tracking tools on the customer site, increasing actionable user insights by **30%**.
- Set up company Affiliate system using a PostgreSQL database, managing over 200 company contacts.

Operations Lead   May 2023 – Dec. 2023
Orbital Quantum   Toronto, ON
- Designed and implemented intuitive automation tools utilizing full-stack development techniques, speeding up various administrative tasks by up to **50%**.
- Utilized Artificial Intelligence to expedite patent drafting processes, resulting in a **40%** reduction in costs by minimizing the need for lawyer consultations.
- Modernized and enhanced company web applications to integrate seamlessly with **Google Firebase** for advanced user authentication and data management capabilities.

Junior Software Engineer   June 2022 – Sept. 2022
Yarowa (formerly JAROWA AG)   Zug, Switzerland
- Engineered anonymization algorithms in **12** weeks, enhancing data security for machine learning applications, improving data usage by 40%.
- Pre-processed data using Python and Microsoft Excel to ensure data quality of over **3000** transaction records, reducing manual errors by 50%.
- Collaborated within **AGILE** framework, honing communication, documentation and project delivery skills.

EDUCATION

McMaster University   May 2025
Bachelor of Applied Science in Computer Science (Co-op), 3.9 GPA   Hamilton, ON
- Dean's Honour List, 4x recipient
- Courses include: *Natural Language Processing, Applications of Machine Learning*

Google: AI Essentials   July 2024
5 Course Certification - including Maximizing Productivity through AI, AI Responsible Use   Coursera

PROJECTS

MeetingBot | Meeting Bot API for Teams, Meets and Zoom   Jan. 2025
AWS, TypeScript, Docker, Terraform, Graphite, Playwright, Puppeteer, React, Next.js, Linear
- Engineered a self-hostable Meeting API for Zoom, Teams, and Meet, reducing recording costs by **90%** when compared to business alternatives.
- Built to scale using a serverless architecture using AWS and Docker.
- Integrated Linear for Agile sprint tracking and team collaboration.

Pinball Pioneer | Indie Video Game **Winner** of the GMTK 2023 Game Jam   July 2023
GMS2, Aseprite, Git, Audacity, Web Design
- Finished *7th out of 7000* (**Top 0.1%**) global submissions.
- Solo-developed a puzzle game in entirely within **48 hours**.
- Envisioned, designed, built and tested all game systems, assets and over **10** levels.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, C#, OpenGL, SQL, C/C++
Development Tools: Azure, git/Github, AWS, Google Cloud, Firebase, Supabase, BitBucket, Docker, Figma, Jupyter
Web Technologies: React, HTML/CSS, Node.js, jQuery, NextJS, Astro, SwaggerAPI, Lambda Functions, XML
Libraries: NumPy, Pandas, SQLite, Matplotlib, NLTK, scikit-learn