




# Jaryd Diamond

✉ jaryd.diamond@uwaterloo.ca    linkedin.com/in/jaryddiamond/    github.com/jarydo    jaryddiamond.com/

## SKILLS

### Languages

Python, JavaScript/TypeScript, C/C++, Java, HTML/CSS

### Tools and Frameworks

React, AWS, MySQL, MongoDB, GraphQL, Jenkins, Flask, Ansible

## EDUCATION

### Bachelor of Computer Science, Honours

2021 – 2026

University of Waterloo

- Awarded Term Distinction in all completed terms
- Nominated for Co-op Student of the Year

## WORK EXPERIENCE

### Software Developer - Security Research Services Team

05/2024 – 08/2024

Arctic Wolf

- Increased **malware sandboxing** throughput by 33x, scaling from 90 to 3000+ daily detonations, leading to the detection of 14 novel threats across high-profile clients
- Architected and implemented serverless functions using **AWS Lambda**, managed cross-account **IAM permissions**, and leveraged Infrastructure as Code (IaC) with **Troposphere** and **CloudFormation** for streamlined resource provisioning
- Enhanced threat analysis infrastructure by refactoring **CI/CD** pipeline and automating configuration management for EC2 instances using **Ansible**

### Lead Product Developer

12/2023 – 04/2024

99 Ravens AI

- Spearheaded MVP development, including research, **system architecture** design, chatbot integration with **GCP**, and **LLM** fine-tuning
- Translated complex technical details into clear communication with a non-technical founder, ensuring alignment and project clarity
- Developed, deployed, and optimized chatbot functionality through prompt engineering and **API endpoint** creation

### Web Developer

09/2023 – 12/2023

Horizon

- Executed complex database migrations using **Laravel** and **PHP**, successfully integrating critical client configurations and demos for 20+ international banking clients, benefiting over 90 million end-users
- Implemented and led Agile methodologies, including stand-ups and sprint planning, to ensure consistent on-time delivery

### Junior Developer

01/2023 – 04/2023

Arctic AI

- Engineered various full-stack client projects using the **MERN** stack (**MySQL/MongoDB, Express, React, Node.js**), including development of high-performance migration scripts that successfully mapped 80,000+ client records to a **MongoDB** database
- Independently designed, architected, and deployed a full-stack **MLOps** web application to monitor active machine learning models and extract real-time analytics, which is currently being incorporated into main Managed Service offering

### Software Developer

05/2022 – 08/2022

Mikobyte Solutions

- Designed, prototyped, and implemented flagship service as a full-stack developer at a new startup, utilizing **React, Flask**, and **C++**
- Collaborated directly with co-founders to innovate and streamline features, achieving a 100% improvement in website load times

## PROJECTS

### Resonant

- Built a friend-nominated AI-powered dating algorithm for Valentine's Day, leading to the creation of 2 long-term relationships

### Chess Engine

- Created chess engine in **C++** following **object-oriented design patterns** with multiple levels of computer AI, resulting in a final grade of 110%

## EXTRACURRICULARS

### Host

05/2024 – present

Socratica

- Building a maker community in Waterloo (and worldwide), inspiring members to pursue passion projects that have led to achievements such as winning pitch competitions, securing research grants, Y Combinator acceptances, and local media recognition
- Planning and hosting various events for our 400+ attendees, including bonfires, paint nights, and an end-of-term showcase

### Project Developer & Internal Director

09/2023 – present

UW Blueprint

- Developed a web platform for Feeding Canadian Kids to streamline volunteer coordination, helping to feed over 150,000 children - built with **React, GraphQL, Python (Flask)**, and **MongoDB**
- Managing logistics and running community events for over 100 students as Internal Director