

Kian Haddad

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EDUCATION

Ontario Tech University

Oshawa, ON

Hons. BEng: Software Engineering

Expected: April 2026

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Web Programming, Data Management Systems, Software Architecture, Operating Systems, Computer Networks, Artificial Intelligence

Certification: Advanced Training in Software Development Certificate

TECHNICAL SKILLS

Languages: C/C++, Dart, HTML/CSS, Java, JavaScript, Python

Databases: MongoDB, SQL

Frameworks & Libraries: Django, Flutter, JUnit, Node.js, Nuxt.js, React, Selenium, Tailwind CSS, Vue.js

Developer Tools: Bash, CI/CD Pipelines, Docker, Git, Google Cloud Platform (GCP), RESTful API, VS Code

EXPERIENCE

Mobile App Developer Intern

Remote

Ottawa Derm Centre – Mobile Dermatology Platform

April 2025 – Present

- Support the development of facial visualization features using Flutter and the DeepAR plugin, allowing users to preview aesthetic outcomes based on dermatological procedures.
- Assist in building reusable UI components for a smooth cross-platform experience on both iOS and Android.
- Integrate real-time camera functionality and rendering pipelines to support interactive user-facing features.
- Collaborate with the lead developer to align technical implementation with user requirements.

Software Developer Intern

Remote

Wouessi – Full-Stack Development

March 2025 – April 2025

- Developed and integrated RESTful APIs using Node.js and MongoDB, enabling seamless connectivity between frontend React components and backend services for new product features.
- Designed and optimized MongoDB schemas, improving data retrieval efficiency by 30% and ensuring scalable backend performance.
- Collaborated closely with a cross-functional Agile team, including a Scrum Master and PMO, participating in daily stand-ups and sprint reviews to ensure timely delivery of tasks.
- Utilized MongoDB Compass for database management and Postman for API testing, accelerating backend development and debugging processes.

Freelance Software Developer

Remote

ConfluX Bot – Real-Time Transaction Monitoring

May 2024 – June 2024

- Created a Python-based bot for a Discord trading community, automating real-time confluence detection across thousands of blockchain transactions.
- Monitored and processed over 5,000 daily transactions using advanced data parsing techniques, ensuring accurate and actionable insights.
- Implemented a unique-buyer detection algorithm and ping system, improving confluence detection speed by 50%.

PROJECTS

Interactive Particle System | JavaScript, Physics Engine

Mar 2024 – Apr 2024

- Developed an interactive particle system using JavaScript and HTML5 Canvas, enabling smooth physics-based movement and dynamic user interactions.
- Implemented a lightweight physics engine with velocity, friction, and force calculations, ensuring stable particle behavior without performance degradation.
- Optimized rendering techniques by reducing unnecessary computations, allowing real-time interaction with thousands of particles without noticeable lag.
- Designed particle shape transformations, enabling the system to form text and images dynamically, improving visual engagement.