Eric Kiefer

🌐 erickiefer.ca
✉ ekiefer@uwo.ca
in linkedin.com/in/eric-kiefer-b8174915b
○ github.com/kiefer6451

⚙ SKILLS

Frontend	HTML, CSS, Bootstrap, JS, TS, React, Redux, React Native, Expo, Angular
Backend	Node.js, Django, Express, Passport, JWT, Socket.io, Net sockets, Mocha Chai Testing
Database	MongoDB, MySQL, SQLite
Other	Linux, C, C#, C++, Java, Python, Unity, Electron, Git, GitHub, GitLab, Jira, AWS, ESP32, ARMv7

🖥 PROJECTS

AquaMonitor
React Native, Expo, Node.js, MongoDB

Hybrid Mobile Development, 2020
I created an app for both iOS and Android using the Expo framework for React Native. The app alerts users when water quality parameters recorded using waterproof sensors connected to an ESP32 become unsafe. Features include live monitoring, push notifications, analytics, parameter settings, hardware connection, dark mode, and language selection. A user manual is included on my personal website.

Change4Better
Java, SQLite

Native Android Mobile Development, 2020
I worked in a group of six students to create a native Android mobile app, while following the Scrum Agile development framework in Jira. After three sprints, which each included requirement elaboration, design, development, testing, integration, and documentation activities, we released and demoed the final version of the product.

kBeats
Angular, Node.js, MongoDB

Full Stack Web Development, 2019
I created a site where users can submit reviews to uploaded music, create playlists, and search for specific songs based on ID3v1 attributes. The site featured local and third-party authentication with passport libraries and email verification. Administrative frontend features such as privacy policy, copyright enforcement, and user management were developed with JWT's for authorization measures.

A complete list of my personal projects can be viewed on my personal website, erickiefer.ca

💼 EXPERIENCE

Bit by Bit Computer Science Camp at Western University
London, Ontario

Head Counselor, Summer 2019
In an administrative role, I provided preparations for the camp which included hiring counselors and high school volunteers, ordering t-shirts, imaging computer labs, and creating programming lessons. During camp, I taught engaging lessons in HTML, CSS, JS, C#, Python, Scratch, NXT/EV3 robotics, and Adobe Photoshop.

🎓 EDUCATION

Western University
London, Ontario

Bachelor of Engineering Science: Software Engineering, 2017 - 2021
Courses in algorithms, data structures, operating systems, databases, web and mobile technologies, computer networking, microprocessors, theory of computation, project management, and many others that cover important components in theory, design, and implementation. Awards: Ontario Professional Engineers Foundation Entrance Scholarship, Western Admission Scholarship, and Dean's Honor List (x3).