





Eric Kiefer

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SKILLS

Frontend
Backend
Database
Version Control
Gaming
General Programming

HTML, CSS, Bootstrap, JS, TS, React, Redux, Vue, Vuex, Angular
Node.js, Django, Express, Passport, JWT, Socket.io, Net sockets
MongoDB, MySQL, SQLite
Git, GitHub, GitLab
Unity, C#, Blender
C, C++, Java, Python

PROJECTS



PlantManger
React, Django,
MySQL

Full Stack Web Development, 2019 - 2020

I was responsible for creating the traceability portion of a downtime analysis web application built for manufacturing environments. I used Redux for frontend state management to create an interactive timeline of incoming data streamed from a raspberry pi with PLCs.



Change4Better
Java, SQLite

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).