

Piran Aminullah

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Education

Western University <i>Bachelor's of Engineering Science, Software Engineering</i> <ul style="list-style-type: none">Western Engineering Co-op/Internship ProgramCourse Work: Data Structures and Algorithms, Web Technologies, Databases, Networking, Software Engineering Design, Software Project and Process Management, Software Requirements and Analysis, Software Design, Computer Information Security, Software Testing, Data Science/Machine Learning, Digital Logic Systems, Microprocessors and Microcomputers, Operating Systems, AI 1, AI 2, Cloud Computing, Computer Graphics	London, ON Sept 2020 - Apr 2024
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Work Experience

hyperPad <i>Junior Software Engineer</i> <ul style="list-style-type: none">Developed key features for a financial platform serving 100,000+ professionals through a contracting project, including improving linked account visibility and modernizing form components for enhanced usability.Upgraded backend infrastructure by migrating a Ruby on Rails system to version 7, improving scalability and performance.Led internationalization efforts, translating platform content into 7 languages for global accessibility.Designed and implemented a schema management system, enhancing efficiency for administrators.Collaborated cross-functionally to roll out new features and automated tests, improving software reliability.Technologies Used: Ruby on Rails 6/7, React.js, JavaScript, TypeScript, Cucumber rails, RSpec, Jest, ESBuild, Webpacker, Material-UI, Xcode, Docker, SCSS, html/css	London, ON January 2025 - Current
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hyperPad <i>Software Developer Internship</i> <ul style="list-style-type: none">Enhanced and maintained backend systems using Ruby on Rails and Node.js, focusing on upgrading legacy codebases to the latest frameworks and models to improve scalability and performance.Delivered dynamic and responsive features for React.js and React Native applications, ensuring seamless user experiences across platforms.Led a development team in building multiple features, working directly with the client to gather requirements, incorporate feedback, and deliver tailored solutions on time and within scope.	London, ON Sept 2024 - January 2025
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HiCoder <i>Software Engineer Internship</i> <ul style="list-style-type: none">Led the design and development of scalable server-side applications using Node.js, enhancing performance and reliability. Developed the client side using crema/react.js, ensuring a seamless and responsive user experience.Assisted in building and implementing RESTful APIs, facilitating efficient communication between server and client applications.Diagnosed and resolved critical performance issues, leading to significant improvements in application responsiveness and user experience.Technologies Used: Node.js, Express.js, React.js, JavaScript, HTML, CSS, Crema (React UI Framework)	Canada (Remote) Jun 2024 - Sept 2024
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PawmirPaintings LTD <i>Web Developer Internship</i> <ul style="list-style-type: none">Collaborated with a diverse team of developers, actively contributing ideas and insights for website development.Built the company's website through the integration of JavaScript, CSS, and HTML, leading to enhanced user interaction and navigation.Implemented a robust contact information section using Node.js/Express, addressing user issues promptly.Technologies Used: Node.js, Express.js, JavaScript, HTML, CSS,	London, ON Apr 2022 - Sept 2023
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Engineering Projects

Personal Website - https://piran777.github.io/About-Me/ <ul style="list-style-type: none">Utilized: React, ThemeUI, Material UI, JavaScript, HTML, CSS	
Intelligent Traffic Management System - https://github.com/piran777/Capstone <ul style="list-style-type: none">Engineered a machine learning model that predicts the traffic density at an intersection using a random forest classifier and to accurately forecast congestion patterns and optimize route planning.Developed an advanced heat map algorithm in Python to predict high-traffic areas in London, Ontario so that it can be placed on a google maps UI.Utilized: Python, Pandas, Streamlit, Git, Jira/Confluence.	London, ON
MyMusicPlayer - https://github.com/piran777/Spotify-Music-App <ul style="list-style-type: none">Audio streaming app that can create, update, and delete playlists by adding songs and playing them directly from youtube for logged in users.Account creation, verification, deletion, deactivation, and authentication with JWT is integrated. Users that are logged in with an account have more features than guests that have no account.	London, ON

Technology: JavaScript, Typescript, ReactJS, NodeJS/Express, Ruby on Rails 7, SCSS, MaterialUI, Cucumber/Selenium Testing, webpack, esbuild, Xcode, Java, HTML/CSS, mySQL, mongoDB, Git, AWS, Jira/Confluence, Docker, Kubernetes, Google Cloud Platform (GCP), Python, Pandas, C/C++, C#, OpenGL, Linux.