

Technical Skills

Languages	JavaScript, Python, C, C#, Java, SQL, HTML, CSS
Tools	React, Redux, AxiosJS, NodeJS, Express, MongoDB, Mongoose, Github/Git, ASP.NET Core, MS SQL Server, jQuery, Bootstrap, WiX Toolset
Others	Functional Programming, Object Oriented Programming, Database Optimization, MVC Architecture

Professional experience

May 2019 August 2019	Jana Technology, Software Developer <ul style="list-style-type: none">Developed a Cross Bore risk calculation product for gas distribution companies all over North America which was deployed and released in August 2019Achieved a 60% decrease in calculation runtime by thoroughly analyzing the algorithm and utilizing SQL Server Profiler to identify and index the correct tables in the databaseImproved the flexibility and usability of the product by creating a SQL query to generate a location hierarchy in JSON format from a SQL Server tableEngaged with the full stack, from the front-end to the database layer utilizing all three layers of the MVC framework in ASP.NET Core to retrieve data from the database, manipulate the data and display information to the userBuilt data visualization models by utilizing Chart.js and Razor Pages to effectively display relative Cross Bore Risk valuesCreated a customizable MSI package that was used to deploy the product onto an IIS Server by utilizing WiX Toolset
-------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Projects

June 2019 Present	Money Manager <ul style="list-style-type: none">Created a MERN stack application that records a user's expenses and incomesUtilized React and Axios.js to dynamically update the list of user's recent records by taking advantage of component lifecycle methodsAchieved data persistence through mongoose and body-parser to store data in MongoDBCreated multiple routes and models to handle separate requests for income and expensesImplemented unique user authentication and accounts by using JWT and Redux <div>JavaScript React Redux Bootstrap Axios.js Express.js Node.js Mongoose</div>
January 2019 February 2019	Everyday App <ul style="list-style-type: none">Developed an app for managing daily tasks and information using ReactImplemented a weather app that utilized live data through Axios.js to make a HTTP request <div>JavaScript React React Router JSX CSS3 HTML5 Axios.js</div>
January 2018 February 2018	Ominio <ul style="list-style-type: none">Designed and implemented an Uno-style multiplayer card game in Java using EclipseImplemented multiple Object-Oriented Programming aspects such as: inheritance, encapsulation and polymorphism to create the cards and deck <div>Java HTML5 PHP CSS3 OOP</div>

Extracurriculars

September 2015 April 2018	Student Council, Stouffville District Secondary School <ul style="list-style-type: none">Managed logistics for over 20 events (semi-formal, charity events, prom, etc.) alongside 10 council membersVolunteered over 300 hours to support school events and committees by overseeing council expenses and creating a student council website
------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Education

September 2018 April 2023	University of Waterloo, Bachelor of Computer Science <ul style="list-style-type: none">Relevant Coursework: Designing Functional Programs, Elementary Algorithm Design and Data Abstraction
------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------