

# Jacob Nordstrom

Computer Programming Student



jacob\_nordstrom@outlook.com



(905) 801-5732



github.com/jnordst



/in/jacob-nordstrom

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## SUMMARY

Detail oriented programmer with over 2 years of programming experience seeking a fun, challenging, and dynamic entry level programming position where I can hone and utilize my skills in object oriented programming, and web development languages while contributing to the success of the company.

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## SKILLS & PROJECTS

### Industry Knowledge

- Proficient in C#, Python and Java
- Experience developing video games in Unity with C#
- Strong fundamental knowledge of object oriented programming concepts (Inheritance, Interfaces etc.)
- Fundamental knowledge of web development languages including Html, Css, Javascript, Php, and Javascript frameworks such as ReactJS, NodeJS, and UI styling kits such as Bootstrap and Tailwind
- Experienced at working with databases including mySQL, msSQL, and MongoDB
- Familiar with version control technology; branching, committing, pushing, and creating pull requests
- Strong debugging, and problem-solving skills

### Projects

- Created a Python application to automate emails being sent to clients on their birthdays
- Worked on a Java based shopping assistance application that utilized basic database properties
- Developed a responsive ecommerce website utilizing semantic Html, Css, and Javascript
- Created an application to automate a tedious task using Python, allowing the user to interface with SharePoint, download and compare spreadsheets, then send emails based on any newly added information
- Developing a 3d Turn Based RPG in Unity using C# which involves creating complex interactive environments, implementing audio and visual effects, programming ui, character and enemy behaviors
- An ASP.NET ecommerce application that uses an Azure database to store product and user information, while utilizing Stripe for checkout and payment, styled using Tailwind for a clean and responsive layout
- A personal Portfolio page built with React, Vite and Node.js, featuring 3d ThreeJs interactive panels, unique animations, responsive design using Tailwind, and dynamically built using customizable objects, while also utilizing EmailJS to allow users to send emails from the website
- A 3d ThreeJs project that uses Canvases, Cameras, Lighting components, and completely 3d models, while also utilizing the OpenAI api to generate art with DALL-E
- A complete full stack social media application utilizing MongoDB, ExpressJS, ReactJS and NodeJS with complete user authentication and authorization, profiles, comments, likes, and friends. Utilized modules from BCrypt for security, ReduxJS for state management, Formik for forms and Yup for validation

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## EDUCATION

### Georgian College, Barrie, ON — Computer Programming

2022 – Present

- Object Oriented Programming (C#, Java, Python)
- Advanced Databases (mySQL, msSQL)
- Web Programming Fundamentals (Html, Css, Javascript, Php)
- Model View Controller System (Php, Javafx, ASP.NET)
- Cloud Computing (Azure)
- Achieved Dean's List with a GPA of 93%
- Strong focus on business and entrepreneurship in order to be a better employee and leader in the workplace
- Provided mentorship for students struggling to grasp programming fundamentals with patient guidance, detailed notes, clean code and helping to apply best practices