

# Kevin Dang

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## Summary of Qualifications

- Ability to identify/troubleshoot bugs in my code using debugging/testing tools across different browsers, consistently write useful documentation, and follow best practices in my software projects
- Ability to creatively design, build, and deploy applications such as my personal website; from the prototyping UI/UX stage using Adobe XD, to the implementation stage using various libraries/frameworks

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## Work Experience

**Junior Programmer (Co-op)** | Screen Industries Research and Training Centre | January – April 2024

- Helped develop a mobile app to capture the user's response time when presented with a stimulus using the Unity Game Engine and C#; wrote technical documentations detailing the Unity components
- Developed a Unity plugin that helps to generate character animation using an AI-powered audio prompt

**Software Engineer (Co-op)** | Healthcare Systems R&A | May – July 2023

- Contributed to a Brain-Computer Interface for Stroke Rehabilitation using a Machine Learning model; implemented a mini-game using Python to allow patients to interact with the game using motor imagery
- As a team lead, I implemented baseline correction as a data-cleaning method to process and improve data quality for the Machine Learning model using Python

**Teaching Assistant** | Sheridan College | September – December 2022

- TA'd in Java (Object Oriented Programming), Computer Math, and Web development courses
- Collaborated with my co-workers in updating the official Sheridan College website; obtained requirements from stakeholders to implement new time management functionality using HTML and CSS

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## Technical Skills

- Proficient in technologies such as Java, JavaScript/TypeScript, HTML, CSS, React, Node.js, Docker, Python, C#, knowledge of SQL and relational databases; knowledge of AWS
- Knowledge of Agile methodology, experience in developing front-end web applications, and using version control technologies (Git, GitHub) in a professional environment
- Experienced with Object-Oriented Programming, as well as Windows and Unix command-line interfaces

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## Education

Advanced Diploma, Computer Engineering Technology  
Sheridan College

2020 – 2024  
GPA: 3.86/4.0

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## Side Projects

I have worked on many side projects outside of class, and they can be found on my [portfolio website](#) (which itself is built using React and hosted on GitHub pages) or my [GitHub repositories](#)

### Notepad App

- A React Notepad App with third-party Google/Facebook user authentication, it is accessible through a web app hosted on Amazon Web Services [here](#)
- It includes a cloud backend server built using Node.js with the Express framework. The server stores, saves, and loads the user's notes, using RESTful web APIs for server-client communication
- The notes are cross-platform and synced to a [Windows desktop](#) and native [Android](#) notepad app via cloud backend