Kevin Dang

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EDUCATION

York University

Bachelor of Science, Honours Co-op, Computer Science (Transfer Student)   *2024 – 2026 (Expected)*

Sheridan College

Advanced Diploma, Computer Engineering Technology   *2020 – 2024*

WORK EXPERIENCE

Junior Programmer (Co-op)   Jan. 2024 – Apr. 2024

Screen Industries Research and Training Centre

- Helped develop a mobile app to capture the user's response time when presented with visual stimulus
- Optimized the program to reduce lag and load times by 30% by pre-loading assets and making use of multi-threading
- Participated in sprint planning sessions and collaborated with cross-functional teams to gather requirements and deliver features on schedule
- Identified and resolved 5 critical bugs and dozens of other issues that were launch blockers
- Developed a Unity plugin that integrates AI to generate character animations based on audio prompts

Software Engineer (Co-op)   May 2023 – July 2023

Healthcare Systems R&A

- Contributed to training a Machine Learning AI model for a Brain-Computer Interface that classified stroke patients' brain signals into different bodily movements, such as moving a limb
- Assisted researchers in analyzing the latest academic literature on Machine Learning to improve our model
- Researched and evaluated open-source libraries for data preprocessing, delivering well-supported recommendations that gained team approval
- Updated preprocessing pipeline using selected libraries, enhancing data quality by 20% and saving development time
- Wrote Python scripts to benchmark, create graphs for, and quantify performance metrics of the AI model

Teaching Assistant   Sep. 2022 – Dec. 2022

Sheridan College

- Teaching assistant in Java Object-Oriented Programming, Computer Math, and Web development courses, instructing over 30 students
- Collaborated and obtained requirements from stakeholders to implement new student time management functionality using HTML and CSS for the Sheridan College website

TECHNICAL SKILLS

Languages/Frameworks: Java, Python, JavaScript, React, RESTful APIs, SQL, unit testing (Jest, JUnit, PyUnit)
Tools: Git/GitHub, VS Code, AWS, Firebase, Windows and Linux/Unix CLIs
Knowledge Areas and Coursework: Agile/Scrum, Algorithms & Data Structures, Computer Networking, Database Design

PROJECTS

Steam Review Summarizer (https://steamreviewsummarizer.com/)

- A React web app hosted on Firebase that integrates with the Steam API to collect game reviews and summarizes them using OpenAI GPT-3.5
- It includes a backend server built using Node.js with the Express framework and uses RESTful APIs for server-client communication, and Firestore as the NoSQL database

Multi-platform Notepad app (https://www.youtube.com/shorts/YoSnYonojhg)

- Cross-platform Notepad app with Google OAuth 2.0 authentication
- Backend hosted on AWS and uses RESTful API to sync across an Android app, a React web app hosted on AWS, and a Windows desktop app (https://github.com/KevinDang12/Desktop-Notepad-Code)