

Nicholas Lee

Nicholas.lee1@ucalgary.ca | github.com/nick9lee | Nick9lee.me | 403-903-5779 | Calgary, Alberta, Canada

Education:

University of Calgary Software Engineering

Expected graduation 2023

Relevant Coursework: Discrete mathematics (A), Data Structures and Algorithms (A-), Principles of Software Development OOP (A+), Principles of Software Design (A+), Database Management Systems (A+)

Work Experience:

Software Developer Intern at Arcurve

May 2021 - May 2022

- Collaborated on a full stack web application for monitoring/visualizing gas delivery information used by numerous trucking companies
- Developed production level frontend and backend functionality using Angular and C#.
- Wrote unit test in C# to maintain 75% branch coverage
- Created SQL deployment scripts to manipulate data in a MSSQL database
- Developed UI test using Selenium in C#
- Participated in all aspects of the agile methodology
- Worked with local brewing company to fundraise over \$2900 for the Calgary Women's Emergency Shelter

Turf Care Member for Silver Springs Golf and Country Club

May 2019 - August 2019

Projects:

PathFinding Algorithm Visualizer

- Application to visualize pathfinding/search algorithms such as BFS, DFS and A*
- Developed in Swift for IOS

3D EEG Data Visualizer - NeuroNexus hackathon

- Created a Real-time visualization of large-scale dynamic functional brain networks from EEG recordings
- Worked with the three.js library to create a 3D visualization from processed EEG data

Student Registration System

- An application written in Java that emulates a student registration system
- Implemented Client/Server Architecture and is multithreaded to accommodate multiple users
- Used a MySQL database to hold information of students and classes

Programmer Eyes

- Enforces the 2020 rule, that is, every 20 minutes, look at least 20ft away, for 20 seconds
 - Reminds programmers once they start a work session when to look away and for how long
 - Written in Swift for watchOS
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Languages/Technologies

Java, C++, C, Swift, HTML, CSS, BootStrap, JavaScript, TypeScript, Angular, C#, Git, MySQL, MSSQL, Processing, MIPS assembly, three.js, Selenium, MongoDB, RXJS, Entity Framework, Linq, Moq, JUnit

Volunteer Work:

Head soccer Coach/Trainer for Calgary Active Habit Association

Sep 2017 – June 2019

- Head coach of multiple soccer teams of up to 12 children with ages ranging between 8 and 12
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Awards:

Jason Lang Scholarship (2019 - 2021)

Alexander Rutherford Scholarship (2018)

Interest:

Soccer, Golfing, Snowboarding, Hiking