

# Nicholas John Warena

## Software Developer

Hello! I'm a recent graduate of the four-year Computer Science program at Laurentian University. Since my graduation I have been expanding my skills as a Summer Software Developer for Accutron Instruments Inc. / TopVu RFID Innovations, as well as working on my own personal projects. Thank you for your consideration, and I look forward to bringing my technical ability and positive hardworking attitude to your team.

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## EDUCATION

### Bachelor's Degree in Computer Science Laurentian University

09/2018 - 06/2022

Greater Sudbury, ON

#### Courses:

- Game Design 1 & 2, Database Programming
- Expert Systems, Systems Analysis, Human-Computer Interaction
- Data Structures, Theory of Computing, Programming Languages
- Assembly Language Programming, Java 1 & 2, C++, HTML/CSS/PHP
- Astronomy, Environmental Education, Human Geography
- Film Theory, Cults/Religious Movements, Canadian Military Hist
- US Politics, Canadian Economics, Euro Hist. Pre & Post French Rev

## WORK EXPERIENCE

### Summer Software Developer Accutron Instruments Inc. / TopVu® RFID Innovations

06/2022 - 09/2022

Sudbury, ON

Mine ventilation monitoring specialists, developing technologies for monitoring air quality in harsh environments. [From Accutron] (Under an NDA)

#### Tasks/Responsibilities:

- Experience in front-end development, modernizing multiple web apps within both Accutron and TopVu.
- Experience creating and editing documentation related to user-based interface testing. Also, Git for version control.
- Experience working with REST API to retrieve/deliver JSON data, and MobX for state management.
- Experience testing and deploying firmware updates, and providing the software team with bug reports.
- Some experience developing back end, including LED Matrix programming in an object-oriented programming language.
- Some experience working with Modbus RTU/TCP and 4-20 mA analog.

### Pro Shop Assistant Golf Sudbury - Monte Vista Golf Club

04/2017 - 11/2022

Val Caron, Ontario

The newest addition to the Golf Sudbury family. Monte Vista is an outstanding golf course for players of all levels and abilities. [From GolfSudbury]

#### Position:

- 2019 - 22 | Pro Shop Assistant: Serving customers, offering customer service, handling cash, selling alcohol & food, golf balls, golf tees, and other golf-related products inside Monte Vista's pro shop.
- 2019 - 22 | Starter: Controlled the pace of play to ensure orderly and timely movement of tee times, and ensured the golf course etiquette was followed in addition to providing customers with high-quality customer service.
- 2017 - 19 | Kitchen Staff: Worked as part of a small team to deliver pub-style foods to guests, as well as specials, soups, salads and desserts. During events, the work would be fast-paced, and teamwork heavy.

## PROGRAMMING LANGUAGES/TOOLS

C# / Unity game development	●	○	○	○	○
C++	●	●	○	○	○
Java	●	●	●	○	○
ReactJS / JavaScript, JSON	●	●	●	○	○
Git / GitHub, Trello / Jira	●	●	●	●	○

## PERSONAL PROJECTS

### High Noon (01/2021 - 04/2021)

- I created a 3D game in Unity using C# for a game design course. It is a very simple game that was helpful in testing the features of Unity and implementing some of the basic skills I gained in my course.

### Using Environmental Sensor-Based Modelling for Detecting and Fighting Wildfires (09/2021 - 12/2021)

- I wrote a random forest fire simulation in Java and a report for "COSC 4806 - Web Database Management" which presented possible solutions for remotely modeling fires in an area combined with autonomous fire fighting techniques.

## TECHNICAL SKILLS

### Github / Git / Version Control (01/2022 - 04/2022)

Used at Accutron / TopVu, and expanded on as part of the Professional Development Opportunities program hosted by McDonald's Institute.

### Linux / Unix (01/2021 - 04/2021)

From COSC 2306 - The UNIX Operating System & using virtual machine simulation at Accutron Instruments Inc.

### Front End Development (09/2019 - 09/2022)

From COSC 2026 - User Interface Design, COSC 2206 - Internet Tools, COSC 4926 - Human-Computer Interaction & TopVu® RFID Innovations.

## LANGUAGES

English  
Native or Bilingual Proficiency

French  
Limited Working Proficiency

## INTERESTS

Listening to Music

Playing Video Games

Podcasts

Cycling

Game Design

Chess

Golf

Like/Want to travel