

Nicholas Ng

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EDUCATION

University of British Columbia
Bachelor of Applied Science - Computer Engineering

September, 2018 – May, 2023

WORK EXPERIENCE

UBC Information Technology, Vancouver, BC
RPA Developer Co-op

May, 2022 – August, 2022

- Designed, developed, and tested automation solutions for manual, runbook-based tasks using UiPath
- Performed business analyst duties by creating process definition documents with business teams
- Utilized the Atlassian software suite to document solutions, track issues, and maintain software

Verathon Medical, Burnaby, BC
Test Engineering Co-op

January, 2021 – August, 2021

- Collaborated with software team to perform runbook-based verification and validation test plans
- Identified and reported software defects and verified JIRA issues to improve product quality
- Worked closely with senior test engineers to identify problems and find solutions
- Performed product mechanical testing using mechanical jigs and test equipment to identify failure points

Vancouver Minor Hockey Association, Vancouver, BC
Ice Hockey Official

October, 2013 – Present

- Mentored younger officials and hockey players to improve knowledge of hockey rules
- Established strong leadership and decision-making skills while refereeing games
- Communicated with officials, coaches and players to promote healthy relationships

TECHNICAL PROJECTS

Data Visualization and Dashboard Development, UBC

September, 2022 – April, 2023

- Spearheaded implementation of ReactJS application to display real-time parking analytics to users
- Formulated forecasting model to predict near future parkade utilization trends with colleagues

Ultimate Security System, UBC

February, 2022 – April, 2022

- Led network communication development using a Wi-Fi microcontroller integrated with an FPGA
- Programmed UART communication using Lua scripts and a Verilog FPGA adapter to retrieve images
- Inspected the implementation with unit and integration test to identify and fix software bugs

Hockey League Database, UBC

September, 2021 – December, 2021

- Designed and programmed a full database application from scratch with group members
- Implemented a combination of basic and complex queries used to manipulate data within the database
- Integrated SQL queries into a frontend application using a combination of PHP and HTML
- Acquired and strengthened skills in formulating and using SQL queries to obtain database information

TECHNICAL SKILLS

Languages and Formats: Python, Java, C/C++, JavaScript, SQL, HTML/CSS/JSON, Verilog

Frameworks and Technologies: ReactJS, NodeJS, Visual Studio, Git, Android Studio, UiPath

PROFESSIONAL AFFILIATIONS

Engineers & Geoscientist British Columbia (Student Member)

2018 – Present

INTERESTS & ACTIVITIES

Ice hockey, skiing, running, travelling, fantasy sports, mechanical keyboards, video games