Nicholas Ng

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EDUCATION

University of British Columbia   **September, 2018 – May, 2023**
Bachelor of Applied Science in Computer Engineering with Distinction

WORK EXPERIENCE

TransPerfect, Vancouver, BC   **June, 2024 – Present**
Language Data Analyst
- Generate high-quality data classification results for client's machine learning applications by improving grading accuracy by 90%

BC Hockey, Vancouver, BC   **October, 2013 – Present**
Ice Hockey Official / Officiating Coach
- Responsible for ensuring accurate calls in fast-paced youth games, monitoring players for fair play and safety, and adherence to rules to support healthy on-ice activities
- Established strong leadership and communication skills by engaging with players, coaches, and fellow officials to build trust and rapport and effectively deescalate tense situations
- Evaluate performance, skills, and knowledge of youth officials and provide constructive feedback

UBC Information Technology, Vancouver, BC   **May, 2022 – August, 2022**
Automation Developer Intern
- 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   **January, 2021 – August, 2021**
Software Test Engineer Co-op
- Built a testing tool using Python and OpenCV to automate battery drain and charge verification tests
- Documented a new test plan and revised existing plans to make tests faster and more reliable
- Performed runbook-based verification and validation test plans and reported software defects on Jira

PROJECTS

Data Visualization and Dashboard Development, UBC   **September, 2022 – April, 2023**
- Launched React web application to retrieve real-time parking analytics from multiple databases
- Formulated the forecasting model to predict near future parkade utilization using a tree-based model

Ultimate Security System, UBC   **January, 2022 – April, 2022**
- Constructed a multi-layer authentication security system using an FPGA, camera, touchscreen, Wi-Fi module, and AWS EC2 and S3
- Led network communication development through programming UART interface from scratch using Lua and Verilog to send images to the cloud and retrieve authentication statuses

Hockey League Database, UBC   **September, 2021 – December, 2021**
- Designed a database application using Oracle and PHP to fetch data and display in a web application
- Implemented basic and complex SQL queries used to update and manipulate data within the database

Fin-der Android Application, UBC   **September, 2020 – December, 2020**
- Developed a full-stack Android App using Node.js, Espresso, and Mongoose hosted on AWS EC2
- Implemented RESTful API calls using the Volley Library to retrieve profile information from the backend
- Designed and programmed an intuitive user interface to send messages and connect with other users

SKILLS

Languages: Python, SQL, Java, C, C++, JavaScript, Verilog, Lua
Technologies: Git, Jira, React, Oracle, MongoDB, Microsoft Visual Studio, UiPath