Tina Nguyen

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TECHNICAL SKILLS

Electrical Equipment:	Arduino, Breadboard, Digital Multimeter, Function Generator, Oscilloscope, Raspberry Pi, RLC Meter
Computer Languages:	C, C++, HTML, Java, JavaScript, Python, Verilog
Computer Programs:	Anaconda, Github and Git, IntelliJ, Matlab, Microsoft Office, Visual Studio

EDUCATION

University of British Columbia   **May, 2024**
Bachelor of Applied Science - Electrical Engineering, Biomedical Option
Minor in Computer Science – specializing in machine learning and artificial intelligence
Exchange Term at University of Hong Kong

SOFTWARE PROJECTS

CPSC 210: Personal Project – Souvenir Travel Journal   **Winter, 2021**
Language: Java
Developed a desktop app using IntelliJ with Java, JFrame, and JSON. Souvenir is a personal journal that allows a user to document their vacations and trips.

HackWorks 2020: WasteLess   **August, 2020**
Language: React JavaScript
Developed the front-end UI of WasteLess: A mobile application that tracks expiry dates of pantry and fridge items and reminds users to use the items before expiration in an effort to reduce food waste.

CO-OP WORK EXPERIENCE

Tochtech Technologies Ltd., Richmond
Data Analyst   **Nov, 2023 – Present**

• Efficiently analyzed collected data for accuracy, reported any errors and presented solutions to ensure future data is correct

Software Tester Co-op Student   **May, 2022 – August, 2022**

• Efficiently wrote and tested over 500 test cases on a business portal interfaced with a bed sensor

• Clearly provided helpful suggestions for software features to improve user experience

• Consistently edited, updated and managed a help page for users

Functional & Anatomical Imaging & Shape Analysis Lab, SFU   **January, 2022 – May, 2022**
Data Quality Assurance Co-op Student

• Edited anatomical segmentations of MRI and CT scans using 3D Slicer to train ML algorithm

• Followed file transfer workflow and email protocols accurately and appropriately

Integrated Renewal Program, UBC   **June, 2020 – January, 2021**
Workday Learning Rover

• Edited WordPress blogs using HTML and managed WordPress team through training members and delegations

• Provided effective and efficient technical support and troubleshooting of the Workday system

• Co-led a team of rovers to organize mass communications and events

ENGINEERING STUDENT TEAMS

Biomedical Engineering Student Team, UBC   **September, 2019 – Present**
MINT Home Electrical Engineer

• Programmed and realized a Bluetooth TV remote using an Arduino

• Designed a low pass filter for an EEG headset

Uplift Electrical Engineer

• Brainstormed and effectively shared with team ideas for design implementation of electrical circuits

• Interacted with stakeholders regarding project in a detailed, professional manner

• Researched an appropriate choice of battery and motor for project

CERTIFICATIONS/AWARDS

Tech Stewardship Practice Program Certification   **April, 2022**
The Tech Stewardship Practice Program empowers and supports participants to establish a socio-ethical practice that integrates around their technical and innovation efforts; bending the arc of tech development towards good, resulting in tech that is more purposeful, responsible, inclusive, and regenerative.

OTHER/VOLUNTEER EXPERIENCES

BC Children's Hospital (MICYRN), BC   **October, 2021 – September, 2022**
INSPIRE Program Student/Volunteer

• Assisted in the development of an induction video to integrate clinical practice into clinical research

Research Experience Program, UBC   **October, 2021 – January, 2022**
Research Member

• Applied video segmentation for behavioral neuroscience research on social isolation using Python