Tina Nguyen

Located in Bern, Switzerland - Willing to Relocate

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EDUCATION

University of British Columbia — Vancouver, Canada
BASc, Electrical Engineering, Biomedical Option — 2018 – 2024

- Minor in Computer Science
  - Specializing in Artificial Intelligence and Machine Learning
- Exchange Term at the University of Hong Kong
- Completed 4 Co-op Terms
- Dean's Honour Role in 2021

TECHNICAL WORK EXPERIENCE

Image Guided Therapy Group — ARTORG Center Bern
IAESTE Intern — January 2025-Present

- Researched and studied various surgical techniques and anatomies for product development
- Designed 3D printed surgical models using Blender
- Effectively communicated with international team members to meet project deadlines
- Collected feedback and integrated it into future designs

Tochtech Technologies Ltd. — Delta, Canada
Data Analyst — November 2023 - September 2024

- Efficiently analyzed collected data for accuracy, reported any errors and presented solutions to ensure future data is correct
- Developed test plans and studies to analyze sources of data errors

Software Tester Co-op Student — May 2022 - September 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
Data Quality Assurance Co-op Student — January 2022-May 2022

- 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

SKILLS

- Altium · Beginner
  Arduino · Advanced
  Digital Multimeter · Advanced
  Oscilloscope · Proficient
  Raspberry Pi · Proficient

- Git · Proficient
  IntelliJ · Advanced
  Jira · Proficient
  Matlab · Advanced
  Microsoft Office · Advanced
  Visual Studios · Advanced
  Vue · Advanced

- C/C++ · Proficient
  HTML · Proficient
  Java · Advanced
  Python · Proficient
  R · Beginner
  Verilog · Proficient

- English · Native
  French · Advanced
  Vietnamese · Advanced

CERTIFICATES/LICENSES

2021 **Class-5 Driver's License**
Access to a Reliable Vehicle

2022 **Tech Stewardship Practice Program Certification**
This program establishes a socio-ethical practice that results in more purposeful, responsible, inclusive, and regenerative tech

Integrated Renewal Program UBC

Workday Learning Rover June 2020 - January 2021

- 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

Projects

Capstone: Wearable System for Health Status Monitoring

Software-Hardware September 2023 - May 2024

I was the team leader for developing a low-cost system that continuously monitors patient's vital signs, body position, body dynamics and general location to alert nurses when sudden changes in health occur.
Technologies: Raspberry Pi (programmed in Python), Vue Frontend, Inertial Measurement Units, PPG Sensors

CPSC 304: Furry Friends Grooming Salon

Software Winter 2024)

I worked on the development of an appointment booking and managing system for a pet grooming salon.
Technologies: Java, Oracle SQL data base, Vue Frontend Framework

Engineering Student Teams

Biomedical Engineering Student Team (BEST) UBC

MINT Home Electrical Engineer May 2020 - April 2024

- Programmed and wired a Bluetooth TV remote using Arduino to be controlled with an EEG headset
- Designed a low pass filter for an EEG headset

Uplift Electrical Engineer September 2019 - May 2020

- Brainstormed and effectively shared with team ideas for design implementation of electrical circuits for power system
- Interacted with stakeholders regarding project in a detailed, professional manner
- Researched an appropriate choice of battery and motor for project

Other Work

Winter 2024 **EngKidz Science Kit Assistant**

I managed and organized a storage facility of inventory and accurately prepared material required for classes to teach kids various topics in STEM.

2024 **Telus International Data Analyst**

I accurately reviewed AI generated content to ensure it met the given specifications of good quality and provided feedback to enhance it if it did not.

Volunteer Work

2021- 2022 **BC Children's Hospital MICYRN Research Student**

I assisted in the development of an induction video to integrate clinical practice into clinical research by analyzing responses from interviews for storyboard development and supporting on set.

2021- 2022 **UBC Research Experience (REX) Program Member**

I applied video segmentation for behavioral neuroscience research on social isolation using Python