

Qualifications

- Languages: Advanced proficiency in R, Python and SQL. Intermediate C/C++, Scheme, Java and Ruby.
- Experienced with Pandas, NumPy, Spark/MapReduce, scikit-learn.
- Skilled in forecasting, generalized linear models, logistic/multivariate regression, ARIMA models, exponential smoothing, LASSO, cross validation, experimental design and stochastic processes.
- Experienced in community relations, public speaking, sponsor acquisition & grassroots organizing.

Education

BMath Honours - University of Waterloo: Sept 2017 – Aug 2023

- Statistics major, Computing minor

Work Experience

Full Stack Developer – Proof Data Technology Inc. – Whitehorse, YT: Jan 2020 – Apr 2020

- Worked with First Nations clients to create perpetually up to date recording tools for status applications.
- Integrated new authorization-policy API to make server response improvements and speed up website.
- Test automation, databasing and back-end logic using Ruby on Rails and SQL, UI/UX in Vue.js

Software Test Engineer – North Inc. – Kitchener, ON: Jan – Apr 2019

- Led release testing days for deployment of experimental features.
- Built test automation scripts for communications and messaging services on AR glasses.
- Simulated pairing issues with AR glasses and mobile devices using Raspberry PI.

Program Developer – Hopelink International: Eagles Wings – Cape Croker, ON: June – Aug 2016

- Crisis intervention work in remote indigenous communities.
- Coordinated grant applications meetings with Ministry of Indigenous Services.
- Developed and delivered leadership programming for indigenous youth.

Program Developer - White Owl Native Ancestry Association - Kitchener, ON: June – Aug 2015

- Created culturally relevant experiences for indigenous youth.
- Developed and delivered leadership programming for indigenous youth aged 16-20.
- Delivered summer camp focused on Anishinaabe culture and languages for kids aged 4-15.

Quality Assurance Employee - Linamar Corp. - Guelph, ON: Aug 2014

- Triage and prepare piston gauges.
- Maintain working equipment for shop floor employees.
- Stocking and organizing central factory parts.

General Employee - Dollarama L.P. - Kitchener, ON: Sep 2013 - Aug 2014

- Cashiering and customer interaction.
- Operated a lathe for key duplication.
- Inventory management and restocking.
- Janitorial services.

Projects

Electric Vehicle Geospatial Analysis – December 2023

- Wrote data cleaning scripts and did exploratory data analysis on GPS and odometer readings.
- Did usage forecasting and geospatial analysis to determine points of interest for vehicles.

Event Co-ordinator – Voices for Fort Hope First Nation - Eabametoong, ON: Nov 2015 – June 2016

- Charity event to support the emerging suicide crisis in Eabametoong First Nation.
- Raised \$4500 to supply better recreational activities for youth on reserve.
- Had Lila Bruyere (residential school survivor) as a keynote speaker.
- Did CBC radio interviews and news segments to advertise the event, sold out all 450 seats.
- Worked with the Ministry of National Defence and Indigenous Services to coordinate delivery.
- Jump Start Canada matched donation and provided 20 sets of new hockey equipment.

Volunteer Experience

Delegate – National Youth Ambassador Caucus: Global Vision – Ottawa, ON: June 2016

- Presented Ideas for Incorporating Indigenous culture to Prime Minister's Canada 150 Committee.

Delegate – Arctic Youth Ambassador Caucus: Global Vision – Iqaluit, NU: Oct 2015

- Worked with political leaders to propose relationship building initiatives between north & south.

Tutor – Math and Science Help: Laurel Heights Secondary School – Waterloo, ON: Apr 2015 - June 2017

- Provided group and individual tutoring to students transferring from academic to AP In math and physics.

Canvasser – Young Greens Party of Canada – Waterloo, ON: June - Oct 2015

- Soliciting votes and running campaign events for Green Party during federal election.

Camp Counsellor – Shri Ram Dham Mandir – Kitchener, ON: Aug 2013

- Led yoga classes for children ages 4-12.

Distinctions

Jennifer Nguyen Women in Mathematics Waterloo Entrance Scholarship – September 2017

- Selection is based on academic achievement, performance on the Euclid Mathematics Contest, and extracurricular achievements.

Lieutenant Governor's Community Volunteer Award for Students – June 2017

- Award pays tribute to students who go above and beyond required number of volunteer hours, given to one graduating student at each of Ontario's secondary schools.

Loran Scholars Foundation Finalist – December 2016

- Top 90 of 4800 applicants for national merit-based scholarship recognizing leadership potential, commitment to service, a breadth of interests and courage to make difficult decisions.

Canadian Living ME to WE Awards – April 2016

- Top 3 in Social Action category for Canadian Living Magazine's Me to We awards which honour change-makers who inspire through their positive contributions to their communities and the world.