

# Dea Gjini

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## Skills

**Languages:** Java, Python, MATLAB, HTML/CSS, Sass, Javascript, Excel VBA

**Technologies:** Figma, AutoCAD, Solidworks, Arduino, Raspberry Pi

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## Experience

Toronto Transit Commission, Toronto — *Testing Analyst*

Jan 2021 - April 2021

Python, Excel VBA, UFT Microfocus, PowerShell, VSCode TFS

- Verified that the new TTC website was compliant with Web Content Accessibility Guidelines (WCAG) and referenced WCAG techniques to fix violations
- Trained fellow staff on executing WCAG assessments & determining which WCAG techniques to employ
- Eliminated the need for manual execution by creating a script with Excel VBA & Powershell to organize thousands of files outlining WCAG violations and increased execution of test cases by over 50%

University of Waterloo, Waterloo — *Neuromorphic Computing Research Assistant*

May 2020 - Sept 2020

Python, Tensorflow, SciPy, Matlab, LTSpice

- Developed an image recognition network classifying the MNIST dataset with Python and reached an 85% accuracy rate
- Created circuit simulations on LTSpice and employed them in conjunction with Python and Matlab to realize various neural networks such as CNN & SNN

EASiCloud, Toronto — *Systems Analyst*

Dec 2019 - Sept 2020

Autocad, Solidworks, Figma, Salesforce, Sharepoint, Microsoft Office Tools

- Designed electric circuits as well as 2D & 3D diagrams for Ontario Power Generation training manuals using AutoCAD & Solidworks
  - Lead the User Interface team's development of the Metrolinx WAiV IoT platform and BHive Nectar updates using Figma software
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## Projects & Extracurriculars

Logistics & Sponsorship Director — *EngHack*

Jan 2021 - Present

- Responsible for creating an event budget, coordinating judging criteria, creating mini-events, and organizing tech workshops
- Raised over 50% of current funding by reaching out to numerous individuals and organizations

Educational Outreach Director — *Waterloo Engineering Society*

Jan 2021 - Present

- Created STEM related events & activities for young students & campers and organized events with Waterloo Region District School Board STEM Week and London Community Chaplaincy

Scanning Tunneling Microscope — *Nanotechnology Engineering Design Days*

March 2020

- Developed and tested a STM in 2 days by working alongside a team of 5 students
  - Built each component including an amplification circuit, piezoelectric sensor system, chemical wet etch for the STM tip, and a noise dampening system
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## Education

University of Waterloo — *BASc, Nanotechnology Engineering*

Sept 2019 - April 2024

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## Interests

Reading, Cooking, Hiking, Biking, Knitting