

# Dea Gjini

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## Skills & Interests

**Skills:** Java, Python, Matlab, HTML, CSS, Sass, Javascript, Excel VBA, Figma, Autocad, Solidworks

**Interests:** Fitness, Cooking, Travel, Fashion, Biking, Knitting

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## Experience

Toronto Transit Commission, Toronto — *Testing Analyst*

Jan 2021 - Present

Python, Excel VBA, UFT Microfocus

- Currently working on developing automated test scripts with Python, Excel VBA, and UFT Microfocus to ensure the smooth deployment of TTC's new website
- Organized thousands of files outlining Web Content Accessibility Guidelines (WCAG) violations with Excel VBA
- Increased execution of test cases by over 50% by taking on the cases of an absent member

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

May 2020 - Sept 2020

Python, Matplotlib, Numpy, Tensorflow, Keras, SciPy, Matlab, Jupyter, LTSpice

- Developed an image recognition network classifying the MNIST dataset with Python to display the capabilities of the memristor model created by the research group 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

EASiCloud, Toronto — *Systems Analyst*

Dec 2019 - Sept 2020

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

- Used Autocad & Solidworks software to design professional electric circuits as well as 2D & 3D diagrams for Ontario Power Generation training manuals
  - Extrapolated video tutorial data into an interactive training tool for Rogers BCMS
  - 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

Materials Interface Foundry

- Member of the Materials Interface Foundry in the Mechanical and Mechatronics Department at the University of Waterloo specializing in research for machine intelligence for sensing and computing

Personal Website — *Figma, HTML/CSS, Sass, Javascript, React*

- Designed the UI of a personal site on Figma, and developed the first version using HTML, Sass, and Vanilla Javascript
- Currently working on re-building the website with React

EnviroMe — *Visual Studios, Flutter*

- Competed in Elle Hacks 2020 hackathon and designed a mobile app that monitors and tracks a user's carbon footprint to promote sustainability
  - Awarded the Deloitte Best Pitch prize for product pitch and presentation
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## Education

University of Waterloo — *Bachelor of Applied Sciences, Nanotechnology Engineering*

Sept. 2019 - April

2024

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