# Dea Gjini

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## Summary of Qualifications

- Academic & professional experience with Java, Python, Matlab, Autocad, and Solidworks
- Driven by an exceptional work ethic and ability to effectively multi-task large projects
- Excellent leadership & communication skills
- Fluent in Albanian and English

## 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

**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
- Conducted extensive literary research on pattern recognition with memristor neuromorphic networks
- 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
- Collaborated with User Interface team's development of the Metrolinx WAiV IoT platform and BHive Nectar updates on Figma software
- Presented products developed in teams directly to clients such as OPG and BHive

## 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 currently developing it using the React framework

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

## Education

**University of Waterloo** — *Bachelor of Applied Sciences, Nanotechnology Engineering*          Sept. 2019 - Present