



Master's Student in Electrical Engineering

@ mtrpdx@gmail.commartintrodriguez

J +1 (503) 729-9373
 C mtrpdx

Portland, OR

mtrpdx.github.io



ENGINEERING/TECH EXPERIENCE

Quality Assurance Lead, Quality Assurance Tester **Plus QA**

苗 Jun. 2018 – Mar. 2022

Portland, OR

- Worked with clients to develop comprehensive testing strategies and provide assistance to existing QA teams
- Performed quality assurance testing for mobile and web apps on a variety of platforms

Electrical Engineering Intern

Lam Research

🛗 Mar. - Dec. 2017

Tualatin, OR

• Researched and developed methods of manufacturing and characterizing atomic force microscope probes using an electron microscope, leading to improved tool sensitivity and efficiency

Undergraduate Researcher

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- 🛗 Jun. Sep. 2016
- Portland, OR
- Optimized neural network (reservoir computation) techniques in Python and MATLAB and applied a novel filtering algorithm to the output layer in reservoir simulations, increasing accuracy and reducing simulation runtime

Summer Intern

NASA Goddard Space Flight Center

🛗 Jun. - Aug. 2011

Greenbelt, MD

• Designed orbit simulations in MATLAB, aiding in the nascent stages of the CubeSat modular satellite systems for use in education program

PROJECTS

Real-Time Tempo Detection with Harmonic-Percussive Source Separation via Median Filtering

EE 522: Discrete Time Processing Final Project, Portland State University

2022

SEEKING

A full-time research or engineering role in the signal processing and machine learning space

ACHIEVEMENTS



OpenC	V librosa Matplotlib
PyTorch	TensorFlow
C/C++	Julia MATLAB
bash	ARM/MIPS Assembly
E T _E X	Git Jira

Ableton Live TouchDesigner

EDUCATION

M.Sc in Electrical Engineering (Signal Processing and Machine Learning) Portland State University Jan. 2021 - Jan. 2024 Image Sorting and Sequencing using Canny Edge Detection and Hough Transforms

EE 513: Intro to Image Processing Final Project, Portland State University

2022

Early Detection of Forest Fires with Environmental Sensors, Computer Vision, and Deep Learning Techniques in Python and TensorFlow

Capstone Project, Portland State University/Intel

SERVICE INDUSTRY EXPERIENCE

Prep Cook/Line Cook (Salads and Desserts)
Gumba
苗 Jul. 2022 – Current 🔹 🕈 Portland, OR
 Prepare food before service and during service on the cold side station
Dishwasher/Prep Cook Gado Gado
🚔 Aug. – Oct. 2019 🗣 Portland, OR
 Washed dishes and performed light prep work
Dishwasher/Prep Cook Clyde Common
Washed dishes and performed light prep work and maintenance for the restaurant
Host/Server/Bartender/Dishwasher Ned Ludd
📋 Oct. 2014 – Mar. 2016 🌒 Portland, OR
 Began washing dishes, transitioned into performing host duties in the restaurant and serving and tending bar for the event space
Server/Bartender
El Sapo
■ Sep. 2013 - Aug. 2014
 Began serving in the restaurant, moved to serving and bartend- ing

Thesis title: Applying positive unlabeled learning techniques and using the KL divergence to improve geothermal surveying assessments

B.Sc. in Electrical Engineering (Embedded Systems)
Portland State University
Sept. 2015 - Sept. 2019