

BRIAN (IN SIK) CHO

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PROFILE

- 8+ years of research and engineering experience involved in design, simulation, and data analysis
- Working knowledge of Python, MATLAB, Octave, and HTML/CSS through various projects

PROFESSIONAL EXPERIENCE

Process Engineer

Oct 2019 – Present

Matrix Technologies, Gainesville, FL, USA

- Develop image analysis application saving over \$7,500 in annual licencing fees
- Optimize semiconductor fabrication processes for state-of-the-art optoelectronic devices (OLED, OTFT)
- Conduct data analysis to characterize device performance

PROJECTS

Image Analysis

Matrix Technologies (2021)

- Construct image analysis tool to detect Carbon Nanotubes from Atomic Force Microscopic images and calculate surface coverage area with user interface
- Created uniformity analysis program for display panel photos

Real Estate Data

Personal Project (2020)

- Built a program to extract, store, and visualize real estate property data using web scraping

Finance Tracker

Personal Project (2020)

- Made a bookkeeping program that reads excel files, categorizes with personalized settings, and provides a visual comprehensible form

Commercial Restaurant Website

Lenny's Pizza (2019)

- Developed and maintained responsive website of a restaurant for commercial use

EDUCATION

Master of Applied Science: Electrical & Computer Engineering

University of Waterloo, Waterloo, ON, Canada

Sept 2019

GPA: 3.9/4.0

Thesis: **Cho, I.S (2019) Development of SOI-based Thermally Actuated Micromirror**

Bachelor of Applied Science Honours Co-op: Nanotechnology Engineering

May 2017

University of Waterloo, Waterloo, ON, Canada

GPA: 3.7/4.0