

# Kunal Chandan

University of Waterloo

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B.A.Sc Honours Electrical & Computer Engineering  
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## Software

- KiCAD
- LTSpice/PySpice
- Cadence
- LayoutEditor
- Quartus Prime
- Linux

## Languages

- Python
  - Numpy
  - Pandas
  - Scipy
  - Sympy
  - TensorFlow
  - Pytorch
- C++
- SQL
- Rust
  - nalgebra
  - Rayon
- MATLAB
- Go
- Verilog
- RISC-V
- Shell
- LaTeX

## Lab Skills

- PCB Design
- Oscilloscope
- Network Analyzer
- Probe Station
- Wirebonder
- Diebonder
- Plasma Cleaner & Asher
- Dicing saw
- HMDS Oven
- Spincoater
- SEM
- X-Ray Spectroscopy

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## Summary of Qualifications



- Multidisciplinary generalist electrical engineering skills specialist in software development at scale in data engineering with **Python** and performance critical development in **C++**
- Experienced electrical engineering skills with clean-room and hands-on electrical lab-work
- Strong electrical engineering foundation through coursework in semiconductor device physics, RF devices, computer architecture, control systems, and IC design

## Experience

RESEARCH ELECTRICAL ENGINEER | University of Waterloo



Sept 2022 - Apr 2023 | Waterloo, ON

- Developed research plan for packaging of  $\mu$ LEDs onto TFT packplanes
  - skldj f
  - ssf
- Fabrication
- Simulation

## Projects

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