

Ian Green

Contact

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Webpage: totalsync.github.io

Education

Western Carolina University —
Bachelors of Science in Electrical Engineering

Cullowhee, NC
Expected May 2023

- Cumulative GPA: 3.6
- Minors: Math, Electric Power Engineering
- Completed Network Theory and Equivalence circuits, AC & DC
- Experience working in project based research
- Experience working with FPGA's & Micro-controllers

Cape Fear Community College — High-school Dual Enrollment *Wilmington, NC*

Portfolio

◇ **Cube Satellite** — *Current Research*

In this research I have designed circuits to be launched on a weather balloon to near space. This near space testing will allow us to gain confidence before creating a satellite that hopefully will be launched into orbit in order to detect and determine the location of radiation spikes.

◇ **IC Tester** —

Constructed an IC-Tester, with the help of a few pre-existing designs, an IC- Tester. I added an EEPROM programmer. The adapted code can be found [here](#).

Skills

Programming	CAD & EDA	3D Printer Repair & Maintenance
<ul style="list-style-type: none">• Rust• C++• \LaTeX• VHDL• x86 Assembly	<ul style="list-style-type: none">• Fusion360• Solidworks• KiCad• EasyEDA	<ul style="list-style-type: none">• Prusia• Makerbot• Low-end Printers

Work Experience

- **Math Tutor** — *WCU and Private (Aug 2020 - Present)*
 - Tutored students struggling with Math concepts from Pre-Cal through Calc III
 - Managed and coordinated personal schedule, meetings, and appointments
- **Line Cook** — *Wrightsville Beach Brewery (March 2017 - June 2018)*
 - Produced dishes in a high-pressure, results-oriented, team focused workplace
 - Managed workplace quality and cleanliness on a daily basis