

Julius Won

1446 Slaterville Rd. | Ithaca, NY 14850 | (919)-594-2727 | julius@juliuswon.com | <http://juliuswon.com>

EXPERIENCE

Cornell NanoScale Facility, Ithaca NY — Cleanroom Tech
2024 - Current

July

- Characterization of AJA Reactive Ion Etching (RIE) tools
- Deposition of Nitride, Oxide, and Polyoxide layers on Silicon wafers
- Lab maintenance, restocking chemicals and parts inventorying

Center for Community Transportation, Ithaca NY — Mechanic
June 2023 - September 2023

- Refurbished used bikes for people in need of transportation, and to encourage less driving

Freelance Programmer, Ithaca NY
March 2017 - September 2021

- Programmed tools for use in Cornell University studies
- Hired to program sections for indie video games

Videographer, Isles of Shoals, ME
Summer 2021

- Recorded, edited, and presented recruitment material for Shoals Marine Lab

EDUCATION

Concurrent Enrollment Classes and AP/Honors Classes

Calculus AB AP, Physics 211, Precalculus, Public Education and Democracy through Tompkins Cortland Community College, English 12 Honors and Government/Economics Honors

Cornell NanoScale Facility ATLAS Workforce Training Program, Ithaca NY

Completed the training program for learning chip manufacturing.

Lehman Alternative Community School, Ithaca NY — Regents Diploma

June 2024

New Visions Engineering, Ithaca NY - Completers Certificate
2024

June

Enrolled in the New Visions Engineering program with TST Boces at Cornell University.

TECHNICAL SKILLS

- Bike Mechanic Training
- Nanoscale lab certification
- Familiarity with git software
- Applied programming skills in:
 - .NET/C#
 - HTML/CSS/JS
 - Python

EMPLOYABILITY SKILLS

- Customer communication
- Quick task completion
- Cooperation with coworkers
- Cornell Laboratory Safety Training

ACTIVITIES

- Led the LACS Programming Committee
- Chess-1800 Elo (online)
- Volunteer Bike Mechanic
- Formerly competed in Team 639 FIRST Robotics Club

HOBBIES

- Sailing
- Survival Camping
- Biking
- Programming
- Magic: The Gathering
- Music
 - Drums, Bass Guitar, Harmonica

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PROJECTS

Pinhole Camera

A pinhole camera designed for hypothetical artists with disabilities.

Complex Number Graphing Calculator

graphing calculator that represents functions in the complex plane.

A

REFERENCES

Christopher Martin

Lehman Alternative Community School

111 Chestnut Street

Ithaca, New York 14850

Chris is my math teacher from my high school.

christopher.martin@icsd.k12.ny.us

Mr. David Syracuse

TST BOCES

555 Warren Road

Ithaca, NY 14850

Mr. Syracuse is my teacher at New Visions Engineering

dsyracuse@tstboces.org

Ron Olson

250 Duffield Hall,

Cornell University

Ithaca, NY 14853

Ron is the director of operations at the Cornell NanoScale facility, where I am working over the summer.

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