Tyler Tiede

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EDUCATION

SUNY Geneseo   **August 2016 – May 2021**
BS, Major in Applied Physics, Minor in Mathematics   *Geneseo, NY*
Relevant Coursework:

- <u>Intermediate Laboratory:</u> Students complete various labs and complete in-depth lab reports. Includes students designing their own experiment, performing the experiment, and creating a lab report and presenting it. Hardware used such as oscilloscope, multimeter, multi-channel analyzer, fast filter amp; some software also used including ImageJ
  Grade: B
- <u>Instrumentation & Interfacing</u>: Students learn how to write code in LabVIEW and become familiar with hardware to build projects, such as serial interfaces, servo motors/controllers, camera acquisition. Final project includes designing and building a [project] (← video link) meeting specific hardware requirements and using LabVIEW to take data.
  Grade: A-
- <u>Digital Electronics</u>: Students become familiar with Arduino hardware and Arduino C code. [Final project] (← video link) includes designing and building a device using Arduino and meeting hardware requirements.
  Grade: A-
- <u>Electric Circuit Analysis</u>: Students learn how to analyze properties and behavior of linear electronic circuits.
  Grade: B-
- <u>Seminar in Physics</u>: Students learn presentation skills by creating presentations on Physics experiments. Final project was a presentation on a topic of your choosing.
  Grade: A-
- <u>Programming</u>: Students learn basic Python.
  Grade: A

RELEVANT WORK EXPERIENCE

Corning Incorporated   **August 2021 – Present**
Optics Technician   *Fairport, NY*

- Alignment, adjustment, and testing of opto-mechanical components and assemblies.
- Handle, inspect, and clean delicate optical components and assemblies.
- Read work orders, engineering drawings, and work instructions for product optimization.
- Perform detailed recordkeeping during assembly & testing procedure.
- Maintain proper safety protocols for clean room operations.
- Perform coarse and fine adjustments requiring use of hand tools, precision measuring devices, and other specialized equipment including, but not limited to torque wrenches, optical microscopes, height gauges, Vernier gages, micrometers, and electronic testing fixtures.
- Coordinate with team members to ensure efficient flow through various stages of assembly and testing procedures.

SUNY Geneseo   **June 2018 – March 2020**
Assistant System Administrator   *Geneseo, NY*

- Implementing scheduling restrictions on building access for electronic locks across Geneseo campus.
- Manage all card access for students across campus.
- Troubleshooting card access/lock issues on-site and remotely.
- Assist in programming web applications using MySQL databases to be used across SUNY Geneseo such as

their Alert system and Administrative Systems Information System (ticket/request management).

Varsity Tutors   **February 2020 – May 2020**

Tutor   *Online*

- Tutoring students on Mathematics and Physics.

SUNY Geneseo   **February 2021 – May 2021**

Undergraduate Lab Instructor   *Geneseo, NY*

- Teach in-person general physics labs to undergraduates.
- Hold weekly office hours.
- Grade all students' work done in lab.

SKILLS & INTERESTS

- **Skills:** Microsoft Office, LabVIEW, Python, Mathematica, Arduino C, PHP/Laravel, MySQL
- **Interests:** Ultimate Frisbee, Disc Golf, Bouldering, Snowboarding, Weightlifting, Guitar, Piano, Saxophone