

# Carson Detweiler

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**Career Goal:** Specialized design for Machine Learning and complex software systems

## Education

**Purdue University – West Lafayette, IN**

May 2024

*Bachelor of Science in Computer Engineering*

GPA: 3.48/4.0

### Relevant Coursework:

- **Completed:** Advanced C Programming, Python and Data Science, Intro to Digital Design, Circuit design and Analysis, Advanced Math, Physics, Signals and Systems, ASIC Design (Systems Verilog), Data Structures and Algorithms, Object Oriented Programming with C++
- **Currently Enrolled In:** Intro to Artificial Intelligence, Probabilistic Methods, Microprocessor Systems and Interfacing (ARMv8-A assembly language)

### Honors/Awards:

- Purdue ECE Merit Scholarship (2-time recipient) August 2021 – Present
- National Merit Scholarship August 2020 – Present
- Purdue Delta Upsilon Stefan Kirk Memorial Scholarship August 2021 – May 2022
- Dean's List and Semester Honors January 2021 – May 2022

## Work Experience

**Alaka'i Technologies – Stow, MA**

May 2021 – August 2021

*Engineering Intern*

- Designed and implemented inventory processes, and managed the inventory department, to facilitate growth from a startup to a more established and scalable business.
- Developed leadership and communication skills as well as technical knowledge in a variety of engineering fields through collaboration with colleagues in every department.

**Concord Cheese Shop – Concord, MA**

August 2018 – March 2020

- Managed the stocking and recycling processes to facilitate daily operations.

## Leadership Experience

**Delta Upsilon Purdue – VP of Finance (2 terms), VP of Academics (1 term)**

March 2021 – Present

- Founding father and 3-time Executive Board Member.
- Created all chapter financial policies and practices.
- Lead the chapter through the rebuilding process, coordinated chapter activity to improve operations.
- Worked to restart Academic support programs and improve chapter GPA.
- Attended multiple Delta Upsilon International and Regional Leadership Programs.

**HS Rotary Interact Club – Vice President (Junior), President (Senior)**

August 2016 – May 2020

- Participated in club operations over High School career, achieving leadership positions in Junior and Senior years, and coordinating community service events with the Rotary club of Concord.

**HS Mission Trips – Senior Leader (Senior)**

August 2016 – May 2020

- Participated in an annual mission trip, acting as a Senior Leader during last trip.
- Renovated, repaired, and constructed housing for disadvantaged individuals across the US.

## Additional Skills & Experience

**Languages:** Java, MATLAB, C, C++, Python, Verilog, and Systems Verilog