

Aidan Carter

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EDUCATION

Bachelor of Science, Majoring in Computer Science (Data Science Concentration)

Indiana State University, Terre Haute, IN

August 2021 – May 2025 (Expected Graduation)

Minors in Mathematics and Computer Engineering
Technology

GPA: 3.79/4.0 | University Honors Scholarship |
Member of Honors College

Relevant Courses

- ⇒ Programming Structures
- ⇒ Data Structures and Algorithms
- ⇒ Programming for Data Science
- ⇒ Database Systems
- ⇒ Discrete Structures and Computing Theory
- ⇒ Machine Learning & Artificial Intelligence
- ⇒ Practical Digital Logic Design

SKILLS

- | | |
|--------------|------------------------------|
| ⇒ Python | ⇒ Excellent Problem Solver |
| ⇒ C/C++ | ⇒ Adaptability & Flexibility |
| ⇒ Java | ⇒ Communication |
| ⇒ C# | ⇒ Leadership Experience |
| ⇒ JavaScript | ⇒ Project Management |
| ⇒ SQL | ⇒ Strong Understanding of |
| ⇒ Verilog | Hardware Architectures |

NOTABLE PROJECTS

Facial Recognition Honors Project

Implemented a decision algorithm to determine if a photo is of person A or person B. Utilizes Singular Value Decomposition & Principal Component Analysis to build training data and learn how linear algebra is used in machine learning.

ASL Interpreter Computer Vision Model

Constructed an AI Computer Vision model that interprets sign language. Trained on the MS-ASL dataset and utilizes a convolutional neural network (Inflated Inception V1 3D) for video classification of hand signs.

Personal CPU Project

Constructed a fully working CPU using Digital Logic Sim complete with 32kb of RAM and 32kb of ROM storage, 16-bit word size, and 44 instructions to make custom assembly programs.

WORK EXPERIENCE

ISU Office of Information Technology, Terre Haute, IN

System Integration Assistant September 2022 - Present

Work alongside system integrators to maintain user permissions to university hosted network storage and security groups using Windows Active Directory. Assisted in the enrollment of university-controlled computers into Microsoft Azure and Intune/Endpoint to maintain security policies. Created python scripts to manipulate data in excel to assist coworkers with processing and analyzing data.

EPCSC Technology Department, Kouts, IN

Summer Intern June 2022 – August 2022

Assisted in the various needs of the technology department. Evaluated and repaired Chromebooks for returning students as well as enrolling around 850 new Chromebooks for incoming students. Organized devices between the 6 schools that are part of the district.

CPCSC Technology Department, Crown Point, IN

Intern August 2020 – August 2021

Repaired broken student Chromebooks and teacher laptops. Sent out warranty related issues to manufacturer and checked-in Chromebooks returning from warranty. Checked and imaged about 800 Chromebooks from students leaving district and set up 1,400 new Chromebooks for incoming students. Sorted technology storage rooms and removed broken or outdated technology from 10 schools that are part of the district.

LEADERSHIP EXPERIENCE

Student Philanthropy Organization

A student-led organization aimed at creating a culture of philanthropy on campus as well as offering members leadership and networking opportunities.

<i>General Member</i>	October 2022 – May 2023
<i>VP of Event Planning</i>	May 2023 – May 2024
<i>VP of Recruitment</i>	May 2024 – Present