

# Simon Lunay

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## EDUCATION

### The Ohio State University, College of Engineering

*Bachelor of Computer Science and Engineering*

Columbus, Ohio

Expected May 2027

GPA: 3.8

- Dean's List (all semesters), Trustees Scholarship

- Member of Code4Community, AI Club

- Relevant Coursework: Linear Algebra, Calculus 1 and 2, Engineering Stats, Fundamentals of Engineering 1 and 2, Fundamentals of Higher Math, Data Structures and Algorithms 1 and 2

## WORK EXPERIENCE

### Software Intern

May 2024-August 2024, May 2025-August 2025

JCL Equipment Co.

Xenia, Ohio

- Maintained and optimized SQL queries, improving data retrieval performance by 30%
- Developed a Python script to manage sales data and automate daily logging of transactions
- Reverse-engineered a paint spray gun and all the internal components

### Certified Trainer

January 2022- August 2023

Chipotle Mexican Grill

Beavercreek, Ohio

- Trained new hires in any position and supplied them with the tools to become successful employees
- Developed my ability to work alongside and train all different kinds of people

## PROJECTS

### JCL Equipment Website | *HTML/CSS, JavaScript, Node.js, SQL*

May 2025 - June 2025

- A full-stack website built for a local business to give the company a more professional look
- This revamped website has already allowed for an increase in customer engagement by 40%
- Includes 30+ pages, and a backend that allows the business owner to update the Used Parts for Sale page, with parts stored in a database
- Collaborated weekly with the majority stakeholder to ensure the website met their standards

### AI Stat/Fantasy Predictor | *React, AI/Scikit-learn, Express, Python*

June 2025 - August 2025

- A web app AI stat predictor using Python and Scikit-learn for machine learning and an Express backend API
- Featuring a dynamic React frontend, delivering a smooth and interactive user experience
- This predictor has a margin of error of 10%
- This project helped me and others make more informed predictions when drafting our fantasy sports teams

### Accessible Mouse | *AutoCAD, CircuitPython, Windows Accessibility API*

January 2024 - April 2025

- A fully functional mouse that enhances day-to-day experiences and gaming for people with hand deformities
- Worked closely with people with hand deformities to ensure the mouse met all their needs
- Used AutoCAD to design shape, size, and button placement
- Programmed the microcontroller using CircuitPython to read inputs from mouse signals
- Utilized the Windows Accessibility API to implement standard mouse behavior with added accessibility options, such as configurable gestures and input mapping

## SKILLS

**Languages** | Python, JavaScript, Java, C/C++, SQL, Assembly

**Frameworks and Tools** | React, Node.js, Express.js, GitHub, ML Libraries