

# THOMAS SHORE

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## EDUCATION

**The Ohio State University, College of Engineering** | May 2026

**GPA:** 3.21/4.00

*B.S. Computer Science Engineering*

**Relevant Coursework:** CSE Discrete Structures, CSE Develop and Design, CSE Components, CSE Programming Java, ECE Digital Logic, ECE Analog Systems & Circuit

**Honors & Awards:** Recipient of the National Buckeye Scholar Scholarship

## SKILLS

**Programming:** Java, JavaScript (React, Node.js), Python (Pandas), MATLAB, HTML, CSS

**Software & Tools:** MongoDB, SolidWorks, Onshape, LTSpice, Quartus Prime, Microsoft Excel, Microsoft Word

## PROJECT EXPERIENCE

### Budgeter App (Personal)

**December 2024 – January 2025**

- Engineered a full-stack personal finance management application to optimize budgeting and streamline financial tracking.
- Implemented income and expense tracking with categorization and data visualization using React and chart libraries.
- Built a RESTful backend using Node.js and Express, integrating MongoDB for persistent data storage.
- Focused on user-friendly functionality with expense/income tracking components, charts, and balance management.

### Stock Analysis Model (Personal)

**May 2024 – August 2024**

- Developed a stock prediction model using Python with a custom neural network and integrated news sentiment analysis via API to enhance prediction reliability.
- Utilized an API for data extraction and Pandas for preprocessing and normalization.
- Designed a strategy class to determine buy/sell signals based on probability thresholds and sentiment analysis.

### Music Case Storage Attachment (Academic)

**January 2023 – May 2023**

- Designed and built a music case storage attachment in SolidWorks, incorporating user feedback and conducting stress and thermal analysis to ensure design integrity.
- Collaborated with engineers to enhance the product's design based on user feedback and testing results.

### Chess Program (Academic)

**October 2022 – November 2022**

- Developed a chess application using MATLAB with standard rules, move validation, and check/checkmate conditions, while designing visually appealing chess pieces in Microsoft Paint.

### Covid Tracking Website (Personal)

**June 2020 – January 2021**

- Built a real-time COVID-19 tracking website with HTML, Java, and CSS, integrating an API for accurate updates.
- Developed interactive charts, enabling users to visualize global and regional Covid-19 trends.

## EMPLOYMENT

**RILDIL Pickleball** | Jupiter, FL

**June 2024 – August 2024**

*Sales Associate in Retail*

- Communicated effectively with staff and guests to provide high-quality service
- Managed cash drawers and reconciled daily store profits with accuracy and accountability.

**The Ohio State University, College of Engineering** | Columbus, OH

**August 2023 – December 2023**

*Undergraduate Teaching Assistant*

- Guided first-year engineering students in 3D modeling and graphics using Onshape, enhancing their design skills and technical knowledge.
- Oversaw the machine shop, providing training on equipment operation and safety, and assisted faculty in grading assignments and lab reports.

## EXTRACURRICULAR

**Phi Gamma Delta Fraternity** | Columbus, OH

**August 2024 – Present**

*Greek Engagement / Brotherhood Chair*

- Organizes chapter events for more than 100 people participating in scholarship, philanthropy, and brotherhood.
- Facilitates engagement with other Greek life organizations, fostering collaboration and inter-fraternal relationships.

**Collaborative Software Development Club** | Columbus, OH

**August 2024 – December 2024**

*Member*

- Collaborated with a team to develop an AI-powered resume tool, improving functionality through software principles.