

Matthew Felicia

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Education

The University of Scranton: College of Arts and Sciences, Scranton PA
Bachelor of Science in Computer Engineering

Graduated May 2025

- Cumulative GPA: 3.17/4.00
- Dean's List: Spring 2025

Relevant Coursework

Data Structures and Algorithms, Electronic Circuits II, Embedded Systems, Operating Systems, Digital Signal Processing, Machine Organization and Processing, Control Systems, Robotics and Design, CAD II, Intro to Software Engineering

Technical Proficiencies

Languages: Python, C, Java, JavaScript, HTML, CSS, React

Tools & Systems: Arduino, Raspberry Pi, Linux/Unix/Bash, FPGA Hardware, Docker, SolidWorks, AutoCad, GIT

Award/Honors

IEEE-Eta Kappa Nu: Honor Society of IEEE

Fall 2024

IEEE Student Activities Conference: 1st Place Sumo Bot Competition

Fall 2023

- Developed and programmed a robot to strategically push and evade competitors in a dynamic ring environment

Lockheed Martin Ethics in Engineering Competition: Final 16 Competitor

Spring 2025

- Competed in a case-based challenge, applying ethical decision-making in engineering scenarios.

Sigma Pi Sigma: Physics Honor Society

Spring 2025

Leadership

Scranton Institute of Electrical and Electronics Engineers (IEEE) Club

May 2023-May 2025

Student Activities Committee (SAC) Advisor

- Prepare the IEEE club for the annual SAC conference by entering students into competitions, ordering parts for student designs, reserving hotel rooms, and designing team shirts.

Scranton Emerging Leaders (SEL) Program

September 2022- May 2023

Cross Country Representative

- Selected to participate in the SEL program to develop and enhance leadership skills.
- Received training in communication, team building, and interpersonal skills.

Scouts of America

October 2020

Eagle Scout

- Achieved Scouting's highest rank, demonstrating leadership, service, and project management.

Work and Project Experience

Robotics and Design Capstone

August 2024-December 2024

Robotics Team Project

- Designed and programmed a robot to efficiently perform search and retrieval.
- Worked on a team to determine the most effective design.
- Experience in python programming and embedded systems.
- Experience with OpenCV for machine vision.

Group Chat Program Project

August 2024-December 2024

Programmer

- Created a server and client program that could send and receive messages for different group chats.
- Utilized the program locally and through an AWS server.
- Effectively pushed and pulled code as a team using a GIT repository.

University of Scranton Campus Ministries, Scranton, PA

August 2023- May 2025

Social Media Intern

- Develop strategies to grow followers and enhance the department's online presence.

J&J Staffing Agency, Cherry Hill, NJ

May 2023- June 2024

Princeton University Logistics

- Carried out heavy cleaning tasks and utilized supplies in designated building areas.
- Retrieved and delivered materials for Princeton University's reunion events.

Extra Activities

The Chapter of St. Joseph, Praise and Worship Club, Men's Track and Field, Men's Cross Country Team, Camino De Santiago.