

Patrick Michael Flanagan

Phone: 904-945-4066

Address: 5963 Arnhem Road, Baltimore MD,  
21206

Personal Email: Patrick.Snikle@gmail.com

## Education

Bachelor's in mechanical engineering from the University of North Florida, graduating May 2024.

Graduated with a GPA of 3.42 (out of 4.0).

Graduated High School as a National Merit Scholar from Stanton College Preparatory School in 2020.

## Work Experience

Worked as a grocery clerk at Publix through college, from August 2020 to March 2024. Job was mainly stocking shelves and keeping them neat. Occasional truck unloading and cleaning.

I currently work as a middle school math tutor at Axiom Educators. I have had this job since November 2024, but am looking for something more long-term and engineering-oriented.

I worked on an undergraduate research team in college, in the field of biomechanics/robotics. The project was focused on using haptic devices to create new methods of hand rehabilitation therapy. This project was accepted into the Florida Undergraduate Research Conference (FURC) conference in 2024.

My senior design project was a successful prototype of a solar water heater retrofit system using the existing tank connected to a heat exchanger and solar collector. Functionality goals were met and the price was within the goal, allowing potential systems based on the design to make customers' money back much more quickly than current solar water heating systems.

Long-term personal projects: I write a comic series and have for over a decade. I've also spent considerable time restoring an old vehicle (Datsun 260Z) and repairing others. I also make custom maps for classic Doom, a process which marries visual design, functionality within limits, and programming.

## Other Skills

- Use of lathes
- Use of mills
- Welding
- Technical writing
- Materials characterization
- Matlab / C / Java
- NX CAD (Will *gladly* learn other programs)
- Drafting / dimensioning
- Creative art / design drawing

## Other Qualities

I work well with others and I can work a flexible schedule if needed. I always try to help people and be as nice as I can to whoever I am around, whether they are customers or co-workers. I'm easily trained for tasks I need to repeat.