# William Stamatakos

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## EDUCATION

**Northern Illinois University** – *DeKalb, Illinois* May 2027

**Bachelor of Sciences in Mechatronics Engineering**

GPA: 3.49/4.00

- Honors: **NIU Dean's List (Fall 2023, Fall 2024)**
- Relevant coursework: **Fundamentals of Mechatronics*, Engineering Mechanics I, Engineering Mechanics II, Mechanics of Materials*, Programming for Mechatronics, Computer Programming in C++, Engineering Graphics, Engineering Circuit Analysis**

**In progress*

## EXPERIENCE

**FuzzRGB** – *DeKalb, Illinois* August 2025 – August 2025

Project Owner

- Created an efficient random noise image generator.
- Optimized performance by up to 90% by manipulating matrices to construct an image.
- Reduced operation times by up to 30% by implementing resource-aware multithreading.

**Valvoline Inc.** – *DeKalb, Illinois* June 2024 – August 2024

Certified Technician

- Achieved certification and adapted to a previously unfamiliar role within four weeks.
- Gained experience working closely with a team of 4 to 7 and assisting 10 to 30 customers per day in making purchasing decisions.
- Improved payment security by introducing advanced verification technologies at minimal cost.

**Project VolPed** – *DeKalb, Illinois* October 2021 – December 2022

Project Lead

- Transformed a consumer-grade mountain bicycle into an electric bicycle.
- Engineered full removability of conversion by requiring zero permanent modification to the frame through the use of custom-designed clamping mounting hardware.
- Reduced costs and environmental impact by up to 50% by repurposing vital components from a non-functioning electric scooter.

## LEADERSHIP ACTIVITIES & VOLUNTEER EXPERIENCE

**Vespa Mode** – *DeKalb, Illinois* September 2025 – Present

Member

- Boosted productivity by up to 30% by assisting other members with vital programming tasks.
- Employing Blender to assist with asset creation, manipulation and translation.

## TECHNICAL SKILLS SUMMARY

**Programming Languages**: C++, Python

**Software**: SolidWorks, Autodesk Fusion 360, OnShape, GitHub, GIMP, Microsoft Word, Microsoft Excel, Visual Studio Code, GNU Octave, DaVinci Resolve, Audacity, OBS Studio, PrusaSlicer, LTSpice, Tina-TI, KiCAD, TrueNAS Scale, Nextcloud, IntelliJ Idea, Zed, Blender

**Operating Systems**: Windows 10/11, Android, Linux (Linux Mint, Ubuntu, Debian, Arch Linux), macOS

**Databases:** SQL