Korvan Nameni

namenik@msoe.edu | github.com/korvane | linkedin.com/in/korvan

SUMMARY

B.S Computer Engineering student at Milwaukee School of Engineering with numerous, diverse, hands-on, team-based project experiences. Skills in Git, Altium PCB design, Quartus FPGA design, C#, Java, Python, VHDL.

EDUCATION

B.S. Computer Engineering | Milwaukee School of Engineering '29 | GPA: 3.3/4.00 | Honor Roll
H.S. Diploma | Menomonee Falls High School | Menomonee Falls, WI | GPA: 4.73/4.00 Summa Cum Laude
*Completed IT dual enrollment at Waukesha County Technical College with honors

PROJECT EXPERIENCE

Java Programming Project (Independent):
▪ Built a 3D shape rotation program with real-time spinning in a 2D JavaFX GUI.
▪ Implemented MVC architecture, reusable shape classes, and trigonometric rotations using AnimationTimer.
▪ Designed interactive GUI with FXML and SceneBuilder, handling user input and shape rendering.
▪ AI generated parameters for complex shapes (dodecahedron, truncated octahedron, snub cube, etc).
Result: Strengthened skills in JavaFX, object-oriented design, and debugging performance issues.

Python Programming Project (Independent):
▪ Utilized OpenCV to create a buffered video recorder.
▪ Created custom circular queue structure for efficient high-FPS frame storage without memory overflow.
▪ Implemented frame-accurate playback controls (pause, step, jump, slow-motion) and automatic clip exporting.
Result: Increased Git proficiency, strengthened OpenCV and data-structure skills through building a functional real-time replay system.

MSOE SAE FORMULA HYBRID

Low-Voltage Team | September 2025 – present | 5 hrs per wk
▪ Created Altium symbol for an electromechanical relay, sourced footprint, wired and routed on PCB.
▪ Routed 12 V to 3.3 V regulator and Molex connector with Schottky diode protection in Altium.

LEADERSHIP EXPERIENCE | CO-CURRICULAR INVOLVEMENT | AWARDS

Winner | Wisconsin-Dairyland Programming Competition | April 2025
Team Captain | High School Track & Field | June 2025
Field MVP | High School Track & Field | June 2025
MSOE NCAA Track & Field Team | September 2025 – present | 11 hrs per wk

WORK EXPERIENCE

Backroom Associate | HomeGoods | May 2024 – February 2025 | 25 hrs per week
Intern | MKE Tech Hub Coalition FUSE AI Bootcamp | June 2025 – July 2025 | 6 hrs per week

INTERESTS

Pole Vault | Puzzles | Reading | Weightlifting