

Steven Naliwajka

Electrical Design Engineer: MSECE, Kennesaw State University

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EXPERIENCE

Electrical Design Engineer

Jan 2024 to Present

Salas O'Brien Atlanta, Georgia

Power, fire alarm, lighting and data systems in Revit and AutoCAD, designed to NFPA 70.

- Design power, fire alarm, lighting and data systems to NFPA 70 (National Electric Code).
- Write a Revit automation plugin in C# against the Revit API that builds and exports COMcheck energy-code compliance forms straight from the model, packaged as a single install across multiple Revit versions.
- Moved code signing to Azure Trusted Signing: builds sign against a certificate held in Microsoft's HSM and timestamp each artifact, replacing a self-signed certificate that every machine had to be told to trust.
- Train and onboard new hires, two-plus years running: Revit and AutoCAD training, drawing standards and the in-house tooling.
- Write the supporting desktop tools in C#/WinForms and PowerShell: drawing-set reconstruction, an MEP schedule scanner, and a launcher that versions and updates each tool.

Owner

Aug 2025 to Present

Printect Atlanta, Georgia

3D-printing storefront, built and operated solo: hardware, firmware-adjacent tooling and the business.

- Software-defined STL generation: parametric parts emitted from code, so a change in size or fit is a parameter rather than a redraw.

Computer Science T.I. (Teaching Instructor)

Aug 2023 to Dec 2023

Kennesaw State University Marietta, Georgia

Taught C#, Java, Python and SQL to students.

Intern

Feb 2023 to Aug 2023

3C Software Atlanta, Georgia

Supported ERP implementations using SQL and VBScript.

EDUCATION

M.S. Electrical and Computer Engineering (MSECE)

May 2025 to Dec 2026 (ongoing)

Kennesaw State University Artificial intelligence and RF communications

B.S. Electrical Engineering

2020 to Apr 2025

Kennesaw State University Minor in Computer Science

SKILLS

Languages: Python, Go, C#, Java, JavaScript, SQL, Bash, PowerShell, VBScript

Electrical: Revit, AutoCAD, NFPA 70 / NEC, Power distribution, Lighting design, Circuit design, KiCAD, PCB design, SOLIDWORKS

RESEARCH

Exploring Integrated Sensing and Communication using TV White Space Spectrum for Precision Agriculture

Dec 2025

IEEE ANTS 2025: First author

SELECTED PROJECTS

The home lab. A Proxmox cluster running two dozen self-written services, deployed through a private GitLab CI/CD pipeline.

Affordable 3D PCB Printing for Prototyping. Undergraduate senior design project: desktop-budget PCB prototyping.

HONORS AND AWARDS

FE (Electrical and Computer). NCEES, Mar 2025.

1st place, Fan Engagement, KSU Sports Innovation Hackathon. Kennesaw State University, Feb 2025.

2nd place, Mobile Apps for Well-Being, KSU Hackathon. Kennesaw State University, Mar 2025.