Timothy Radtke

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Summary

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Education

Marquette University, MS in Electrical/Computer Engineering   Sept 2019 – May 2022
- GPA: 3.9/4.0
- **Thesis:** Safeguarding Unmanned Aerial Vehicles Against Side Channel Analysis via Motor Noise Injection

Michigan Technological University, BS in Computer Engineering   Sept 2012 – April 2017
- GPA: 3.7/4.0

Experience

Milwaukee Tool – Brookfield, WI/Chicago, IL   May 2017 – Present
Principal Electrical Engineer | 2025 - Present
- Text

Senior Electrical Engineer | 20XX - 2024
- Text

Electrical Engineer II | 20XX - 20XX
- Text

Electrical Engineer | 2017 - 20XX
- Text

Patents & Publications

3D Finite Element Analysis of No-Insulation Coils   Jan 2004

Frodo Baggins, *John Doe*, Samwise Gamgee

10.1109/TASC.2023.3340648

Projects

Multi-User Drawing Tool   github.com/name/repo
- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

Synchronized Desktop Calendar   github.com/name/repo
- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Custom Operating System   2002
- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

Technologies

Languages: C++, C, Java, Objective-C, C#, SQL, JavaScript

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder