

AUTUMN VILLIN, PE

Electrical Engineer

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☎ (123) 456-7890

📍 Atlanta, GA

🌐 [LinkedIn](#)

SUMMARY

Analytical leader with 10+ years of experience in **design, development, and integration of complex hardware and software**. Passionate about solving design issues, and ready to improve operating efficiency and client experience at CBRE.

EDUCATION

Master of Science
Electrical Engineering

Georgia State University

📅 2008 - 2010

📍 Atlanta, GA

Bachelor of Science
Electrical Engineering

Georgia State University

📅 2004 - 2008

📍 Atlanta, GA

SKILLS

- Cadence
- USB
- Collaboration
- Trade Studies
- Signal Integrity Analysis

LICENSE

- Professional Engineer (PE)

WORK EXPERIENCE

Electrical Engineer

Peloton

📅 2019 - current

📍 Atlanta, GA

- Designed, developed, simulated, tested, and integrated hardware for fitness machines, collaborating with a team of 9 engineers
- Executed hardware tests with oscilloscopes, acquisition units, DMMs, and analyzers, leveraging analog and digital principles
- Contributed to the design and development of a fitness tracker that boosted revenue by \$2.4 million
- Supervised development team, providing support and feedback through PCB layout and assembly
- Conducted trade studies for various projects, lowering costs by 11% and improving reliability by 26%

Junior Electrical Engineer

Mehandes Engineering

📅 2015 - 2019

📍 Atlanta, GA

- Engineered and designed load calculations, distributions, equipment, and lighting for health care, educational, and hospitality facility projects totaling more than \$710M
- Designed drawings and specifications with CAD and created shop drawings with detailed notes of variances and/or changes from original plans based on supervisor feedback
- Communicated with project team, attending meetings 2 times per week, building presentations and graphs, and responding to RFIs from contractors and architects
- Wired telecommunication, security, and fire alarm systems with low voltage design, following design guides and reviewing work for completion via documentation and SOPs
- Delegated and evaluated work of 7 junior electrical engineers to proactively address issues and concerns

Electrical Engineer Trainee

Vanderweil

📅 2013 - 2015

📍 Atlanta, GA

- Designed 4 electrical systems, ranging from distribution systems to equipment installations
- Drafted reports, presentations, manuals, and specification documents, and presented designs and design updates to supervisors and clients in review meetings
- Partnered with 5 design team members to improve the operating efficiency of a power system by 33%
- Developed extensive knowledge of NEC and company codes, and attended 120 hours of professional development
- Executed simulations and evaluations of electrical circuits, following specifications, correcting inconsistencies, and updating and writing SOPs