Mario Termine

Computer Engineer

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About Me

A Computer Engineering major with a Green Engineering minor, seeking a full-time position to apply expertise in electronics, mechanics, and trade. Internship involved CAD modeling software for designing electrical systems. Proficient in Python, C, C++, MATLAB, graphic design, and web design. In-depth experience in computer hardware, including system building, setup, and troubleshooting. Managed Linux and Windows servers for web and media hosting. Extensive knowledge in 3D printing, covering hardware, software, and firmware. Solid foundation in air-cooled and liquid-cooled generator service, maintenance, and repair. Boy Scout for fourteen years, achieving the rank of Eagle Scout. Demonstrates well-defined leadership skills with a passion for learning.

Work Experience

Electrical Engineer Intern

CFR Engineering, Germantown MD / Summer 2022

- Design of medium and low voltage systems in commercial and industrial renovation projects.
- Design of service entrance switchgear and switchboards, transformers, emergency generators, UPS systems, VFD systems. Basic design of fire alarm and lighting systems.
- Sizing and specifications of circuit breakers, transformers, and electrical panels
- Utilized industry-standard conventions for power sheets including symbols, single line diagrams, panel schedules, etc.
- Conducting preliminary site surveys, coordinating with other trades, and creating construction documents
- Use of AutoCAD, Revit, AGi32, and NEC Code.

Certified Generac Technician

Light Electric, Mahopac NY / October 2018 – January 2023

- Professional level training and certification to perform repairs, services, and maintenance on air-cooled Generac generators (7-22kw), experience with liquid-cooled (22kw-70kw).
- Assisted in installing home stand-by generators including generator placement, wiring, transfer switch installation, and online registration.
- Basic household electrical knowledge and experience.

Volunteer Experience

Eagle Scout Project: July 2019
President of Campus Scouts at Virginia Tech: August 2021 – May 2023
Co-founder and Vice President of Moped Club and Firewatch Club at Virginia Tech: August 2022-December 2023
Red Cross at Virginia Tech volunteer: August 2019 - December 2023

Education

Computer Engineering Major	Generac Certified Technician
Green Engineering Minor	Shelton, CT
Virginia Tech	2019-2022

Portfolio Site: https://mariotermine.me