

Yui Fotis

Electrical Engineer

Profile

Results-driven Electrical Engineer with 4 years of experience in designing, developing, and testing diverse electrical systems. Proficient in embedded systems, power electronics, and control systems, with a proven track record of delivering innovative solutions, improving efficiencies, and reducing costs. Adept at collaborating with cross-functional teams, managing multiple projects, and meeting strict deadlines. Strong analytical, communication, and problem-solving skills, committed to continuous learning and professional development.

Employment History

Electrical Engineer at M.C. Dean, Inc., VA

Mar 2023 - Present

- Successfully designed and implemented an energy-efficient lighting system for a 50,000 sq. ft. commercial building, resulting in a 30% reduction in energy consumption and an annual cost savings of \$45,000.
- Led a team of engineers in the development and installation of a state-of-the-art power distribution system for a data center, increasing its capacity by 25% and reducing downtime by 15%.
- Streamlined the electrical design process for a major infrastructure project, reducing overall project timeline by three months and saving the company \$100,000 in labor costs.

Associate Electrical Engineer at Dominion Energy, VA

Aug 2019 - Feb 2023

- Successfully designed and implemented a power distribution system upgrade for a major substation, resulting in a 20% increase in efficiency and reducing energy losses by 15%.
- Led a team of junior engineers in the development and installation of a smart grid system, improving grid reliability by 30% and reducing outage response time by 25%.
- Conducted comprehensive energy audits for over 50 commercial clients, identifying potential energy savings of up to 40% and helping them implement cost-effective solutions, resulting in an estimated \$2 million in annual savings for the clients.

Education

Bachelor of Science in Electrical Engineering at Virginia Tech, Blacksburg, VA

Aug 2014 - May 2019

Relevant Coursework: Circuit Analysis, Digital Systems, Microelectronics, Electromagnetics, Control Systems, Signal Processing, Power Systems, Communications Systems, VLSI Design, Embedded Systems, and Computer Architecture.

Certificates

Professional Engineer (PE) License

Oct 2021

Details

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Links

linkedin.com/in/yuifotis

Skills

Circuit Design

Microcontroller Programming

Power Electronics

Signal Processing

Control Systems

Electromagnetic Compatibility

Embedded Systems

Languages

English

Indonesian

Hobbies

Building electronic gadgets

Programming microcontrollers

Experimenting with renewable energy systems