

Pete Ruiz

Electrical Engineer

Personal Info

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LinkedIn

linkedin.com/in/petezruiz

Twitter

twitter.com/petezruiz

Skills

CAD design

circuit development

reverse engineering

Linux

PLC

communication

interpersonal skills

efficiency

Licensed electrical engineer with 4+ years of experience. Seeking to increase efficiency by 25% at Aitchersys Ltd. At Terrtamil NDC, designed electrical circuits that created a 30% efficiency boost to our assembly and installation process. Worked to client requirements to slash costs 15%, resulting in \$50M in new contracts and work.

Experience

2015 -

present

Electrical Engineer

Terrtamil NDC

- Used CAD to plan, design, and develop electrical systems and installation processes for critical broadcast equipment.
- Re-developed electrical circuits for scientific instruments. Worked with operators to achieve 30% efficiency increase.
- Gathered requirements from clients to cut costs 15%. Contributed to additional awards of \$50M in new contracts.
- Programmed 50+ assembly-line machine processes with PLC.

2014 -

2015

Assistant Plant Engineer

Robinsys Keyboards

- Reverse-engineered popular bluetooth keyboard. Product achieved 4.5 star Amazon rating and \$30M in revenue.
- Used CAD to assist with development of circuits for 15 keyboards.
- Helped write & test 25 keyboard drivers with Linux with 20% less errors.

Education

2013 -

2014

MSE Electrical Engineering, Texas A&M University

Completed a 15-credit project to reverse-engineer a smartphone

2009 -

2013

University of Houston

Pursued a passion for CAD and PLC coursework.

Additional Activities

- Member, IEEE. Mentor 20 electrical engineers per year.
- 2019 IEEE Conference. Gave session on CAD.
- Avid road cyclist.

Certifications

CAD - Autodesk

PLC - PLC Technician Training Center

License

Licensed Electrical Engineer — Texas PE&LS