

# Pete Ruiz

Electrical Engineer

## Personal Info

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### LinkedIn

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### Twitter

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## 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 Aitchensys 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.

## License

Licensed Electrical Engineer — Texas PE&LS

## 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.

## Certifications

CAD - Autodesk

PLC - PLC Technician Training Center

## Additional Activities

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