





# KEVIN LOUGHTY, PE

## SENIOR ELECTRICAL ENGINEER

### CONTACT

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(123) 456-7890   
Boston, MA   
[LinkedIn](#) 

### EDUCATION

Bachelor of Science  
Electrical Engineering  
Tufts University  
1997 - 2001  
Medford, MA

### SKILLS

Facilitation  
AutoCAD  
Revit  
Simulation  
Tradeoff Analysis  
Metering  
Written Communication

### LICENSE

Professional Engineer (PE)

### WORK EXPERIENCE

#### Senior Electrical Engineer

The LiRo Group

2011 - current / Boston, MA

- Communicated with local utility companies regarding old and outdated services, and provided inspections, calculations, and reports detailing efficiency, financials, and maintenance
- Managed and directed development team, finishing projects before deadline and under budget by \$1.1K or more
- Designed power, lighting, and low voltage systems, using Revit and AutoCAD to complete projects
- Supervised and trained 17 electrical engineers
- Executed photometric calculations with a 1.6% error margin, and led trade analyses to boost discussion with engineers and clients

#### Senior Electrical Engineer

Hero

2006 - 2011 / Boston, MA

- Built schematics with CAD, and provided design recommendations that saved \$160K+ each year
- Advised a team of 12 engineers with technical assignments, and visited project sites to perform quality control evaluations
- Pioneered simulation method to reduce integration failures by 81%
- Wrote start-up, development, and end reports with accurate calculations, sketches, and schematics, communicating with clients and engineering team about changes and additions
- Drafted assembly instructions for 22 electronic integrations

#### Electrical Engineer

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2003 - 2006 / Boston, MA

- Experimented with electrical components using simulation, and developed strategies to improve operating efficiency by 16%
- Interpreted technical drawings to carry out designs for aiding electrical work in manufacturing and construction
- Collaborated with technicians on prototype development and prepared documentation for design, parts lists, and manuals
- Communicated with team and clients via written and verbal reports, meetings, presentations, emails, phone calls, and face-to-face interactions to meet deadlines 97% of the time
- Researched and prepared cost reports and analyses for clients, completing projects within a 1.3% margin of estimates