

Experienced Electrical Engineer with 5+ years in workforce allocation and electric layout optimization, resulting in 10% increased workflows and 18% increased efficiency. Seeking to leverage project management skills and experience towards a leadership role at Estavez Parks.

Experience

2013-02 - present	<div><div>Electrical Engineer</div><div>Bystronic</div><ul style="list-style-type: none">Planned, designed, and developed tools, engines, and electrical equipment - resulting in 18% increase in efficiency.Met with clients to oversee installation, operation, and maintenance of equipment for all local plants.Worked with planning and design teams to drive product development and review tooling specifications.Developed CAN and LIN drivers and communication protocols.</div>
2009-01 - 2012-12	<div><div>Assistant MPE Engineer</div><div>Michigan Parks</div><ul style="list-style-type: none">Performed condition assessments of electric systems service of Michigan Parks' physical assets, including plumbing, HVAC, electrical and other systems, in accordance with inspection protocols, state and local regulations.Analyzed inspection data to identify trends and monitor the effectiveness of Michigan Parks' efforts to proactively maintain its assets in a steady state of good repair.Engaged in document research, investigations, studies, examinations and testing as they related to the functions or activities of the Capital Needs Assessment Team.</div>

Education

2006-09 - 2008-06	<div><div>University of Michigan, MEng. in Electrical Engineeering</div><ul style="list-style-type: none">Graduated Magna Cum Laude</div>
2002-09 - 2006-06	<div><div>University of Michigan, B.E. in Electrical Engineering</div></div>

Conferences

2018-04	EPECS - 5th International Conference on Electric Power and Energy Conversion Systems
2016-07	The American Society of Electrical Engineers

Personal Info

<div>Address</div> <div>1442 Anyname St, Nashville, TN 37993</div>
<div>Phone</div> <div>+1 (654) 258-79313</div>
<div>E-mail</div> <div>joseph.k.mcleod@gmail.com</div>
<div>LinkedIn</div> <div>linkedin.com/in/Joey.McLeod</div>
<div>Twitter</div> <div>twitter.com/josephmcleod</div>

Skills

3D CAD MODELING SOFTWARE	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Expert</div>
LINUX	<div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div>Advanced</div>
C++	<div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div>Advanced</div>
REVERSE ENGINEERING	<div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div>Intermediate</div>

Languages

SPANISH	<div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div>Intermediate</div>
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