

**ERIC P. MUNSING, PHD CANDIDATE** [www.linkedin.com/in/emunsing](http://www.linkedin.com/in/emunsing)  
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OBJECTIVE: Creating Machine Learning and Data Science tools to create new business insights

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#### RELEVANT PROJECTS

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- 1<sup>st</sup> Place Winner, Citadel / Correlation One quantitative finance Datathon, February 2017
- Algorithm development for predicting electricity prices in the European electricity market
- Munsing, E., Mather, J. “Blockchain Microgrids: Decentralized Optimization and Energy Markets”, (2017) Conference on Control Technology and Applications
- Mather, J. Munsing, E. “Robust Strategic Bidding in Electricity Networks”, (2016), American Controls Conference
- Munsing, E., Berger, M., Moura, S. “Optimal Sizing and Dispatch of Transmission-Scale Storage Systems” (2016) Applied Energy

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#### SELECTED WORK EXPERIENCE

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- Graduate researcher, UC Berkeley [Energy Controls & Applications Lab](#). Research in energy market structure, optimal bidding of energy storage systems, and capital allocation in storage system development. 2013 - Present
- Managed \$1M in annual consulting revenue at Thinkstep LLC, world’ largest sustainability consultancy. Advised Fortune 100 C-level executives, developed comprehensive supply chain models, and worked closely with new product development teams. 2008 - 2013
- Designing a humanoid robot for use in research at the Advanced Robotics and Intelligent Controls Center at Singapore Polytechnic, Singapore. June-August 2005

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#### EDUCATIONAL BACKGROUND

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- PhD in Civil & Environmental Engineering, UC Berkeley 2013-Present
- M.S. in Civil & Environmental Engineering. UC Berkeley 2013
- B.S. in Mechanical Engineering, F.W. Olin College of Engineering 2008

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#### POSITION-SPECIFIC SKILLS

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- Convex optimization, data science/machine learning, stochastic modeling, and controls
- Python: Scientific Computing, data science, and web development stack
- Matlab: Control & Optimization workflow; algebraic modeling
- R, Javascript, SQL, PostgreSQL, PostGIS functional proficiency
- Data collection, transformation, storage, and retrieval through APIs or web scraping
- Project management, team management, technical sales, and account management.

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#### OTHER

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- Fluent in German (spoken and writing), beginning comprehension in Russian (spoken and writing)
- Thru-hiked the Pacific Crest Trail from Mexico to Canada