ERIC P. MUNSING, PHD | SF, CA

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SUMMARY: Experienced ML Engineering Manager switching from High-Frequency Trading to AI startups

WORK EXPERIENCE

- Portfolio Manager; ML Research Team Lead   *Teza Capital Management*   *2018-May 2023*
  - Develop, deploy, and monitor ML forecasting models in a Python + Java stack
  - Deploy new platform tooling to improve research process across teams
  - Collaborate with cross-functional teams to ensure smooth product rollout on tight timelines
  - Manage research team, define research agenda, present to executives and investors, hiring/firing
  - Generate ~$10M annual profit on $100M in assets using automated prediction algorithms

- PhD Graduate Student Researcher   *UC Berkeley*   *2013 – 2018*
  - Develop privacy-preserving optimization techniques for federated machine learning
  - Derive optimal/strategic bidding solutions for energy resources in constrained electricity markets
  - Predict electricity demand using machine learning techniques

- Lead Consultant, Electronics Business Unit   *Sphera/Thinkstep*   *2008 – 2013*
  - Developed environmental reporting tools with client engineering and executive teams
  - Manage client relationships and conduct technical sales meetings with prospects
  - Manage internationally distributed consulting team

HIGHLIGHTED AWARDS & PAPERS

- Winner, Citadel / Correlation One International Data Open Championships   2017
- National Science Foundation Innovation Corps Fellow   2017
- National Science Foundation Graduate Research Fellowship recipient   2015-2018
- Devcon 3 technical talk, "Using Ethereum for Secure Decentralized Optimization"   2017

POSITION-SPECIFIC SKILLS

- Full-stack Python developer with emphasis on Machine Learning (pytorch, sklearn) and web (flask)
- Git, Unix, AWS, and CI/CD software design workflows
- SQL, PostgreSQL, R, Javascript: functional proficiency
- Team leadership incl hiring/firing, project management, technical sales, and account management

EDUCATION

- PhD, M.S. in Civil & Environmental Engineering, UC Berkeley   2013-2018
- B.S. in Mechanical Engineering, F.W. Olin College of Engineering   2004-2008

OTHER

- Founding team on small startups:
  - ECalCharge electric vehicle smart charging startup, technical lead   2017-2018
  - MyCarbonOffsetter, technical co-founder and full-stack developer   2016-2017
  - Switchskis, founder and provisional patent holder   2015-2016
- Hiked the Pacific Crest Trail from Mexico to Canada
- Current volunteer and community activities:
  - Direct 100+ weekly volunteers and team leads through Clean Up The City SF
  - Organizing committee, GreenerMind Summit annual unconference