

# Leo Torres

Tech Lead Ready for Management Leadership

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## Leadership Focus

### People Management

- **Team Management:** Currently managing 5 data scientists and engineers
- **Technical Leadership:** Leading production ML systems and architecture decisions
- **Research to Industry:** Bridging academic expertise with business applications
- **Strategic Vision:** Ready to expand into broader organizational leadership

### Research & Development

- **Academic Research:** PhD in Network Science with publications in top venues
- **Software Development:** Co-led netrd, XGI, and Manim Community projects
- **Conference Organization:** Co-organized NetSci satellites and workshops
- **Transition Focus:** Moving from technical execution to strategic roles

## Leadership Experience

### FGS Global - Lead Data Scientist & Tech Lead Berlin, Germany

May 2023 - Present

- Lead Data Scientist managing team of 5 data scientists and engineers
- Built LLM-powered data pipelines processing millions of articles daily for Fortune 500 clients
- Technical leadership role combining people management with architecting production systems
- Applied network science methods to large-scale text analysis and information retrieval

### Max Planck Institute - Postdoctoral Fellow Leipzig, Germany

Aug 2021 - May 2023

- Developed spectral theory of non-backtracking operators on graphs
- Applied geometric methods to network analysis and graph embeddings
- Co-led development of open-source software for research community

### Network Science Institute - Graduate Researcher Northeastern University, Boston, MA

2016 - 2021

- PhD research in spectral graph theory and network analysis methods
- Co-led development of netrd library with team of 12+ researchers
- Published research in SIAM Review, Journal of Complex Networks, Applied Network Science
- President of Network Science Institute graduate student association (2018)

## Management Philosophy

## Servant Leadership & Technical Excellence

- **People-First Leadership:** Leaders exist to remove obstacles and amplify team impact
- **Technical Credibility:** Deep technical understanding enables effective architectural guidance
- **Psychological Safety:** Innovation requires trust; failure becomes learning opportunity
- **Clear Vision:** Translate organizational goals into inspiring missions connecting daily work to impact
- **Continuous Growth:** Invest in systematic skill development and career advancement

## Open Source Leadership Experience

2019 - Present

[github.com/leotrs](https://github.com/leotrs)

- Co-led development of netrd project with team of 12+ developers
- Established coding standards, review processes, and community guidelines
- NumFOCUS affiliated project leadership (XGI hypergraph library)
- Mentored contributors through technical challenges and career development

## Professional Development

- **Talk:** "LLMs: Computation or Measurement?" - Berlin Data Meetup, 2024 (YouTube)
- **Recurse Center:** 12-week programming retreat focused on algorithm design and software craftsmanship (2016)

## Education

**Ph.D. Network Science** - Northeastern University, Boston, MA

2016-2021

Dissertation: Spectral Aspects of Mining Complex Networks

Advisor: Tina Eliassi-Rad

**B.Sc. Mathematics** - Pontificia Universidad Católica del Perú, Lima

2009-2015

Top 3% grades in 75-year history of Sciences Department

Honors Thesis: Small-World Random Graphs Beyond Watts-Strogatz