

NIKLAS ROSCHEWSKY

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Senior Data Scientist with 4+ years of experience in the semiconductor industry.

EXPERIENCE

Lam Research

Jul 2020 - Present

Technical Owner & Senior Data Scientist

Portland, OR

- Developed a technical roadmap and guided the engineering approach for the data science team at Lam
- Led the scrum development process, ensuring the team met deadlines and delivered high-quality results
- Architected a production AI system, achieving faster speed to solution at lower costs
- Developed an algorithmic approach for semiconductor recipe development, published in [Nature](#)
- Contributed to the success of the team and the company by driving innovation and process improvement

Lam Research

Jul 2019 - Jul 2020

Rotation Engineer

Fremont, CA

- Worked in three different engineering positions across the company, demonstrating adaptability
- Led customer escalations related to tool hardware defects
- Built a data pipeline and dashboard for live tool monitoring, improving tool uptime
- Developed expertise in various engineering domains, including tool hardware, customer support, and data analytics

Samsung Semiconductor

Mai 2017 - Aug 2017

Device Engineer Intern

Santa Clara, CA

- Designed a custom test setup at Samsung to analyze device performance under mechanical stress
- Published results in *Applied Physics Letters*, a peer-reviewed scientific journal
- Developed expertise in device engineering and experimental design
- Contributed to the advancement of semiconductor technology through innovative research

EDUCATION

University of California, Berkeley

Aug 2014 - May 2019

Ph.D in Physics - Thesis on novel magnetic memory devices

Technical University of Munich

Oct 2012 - Jul 2014

MS in Physics

University of Göttingen

Oct 2009 - Jul 2012

B.Sc. in Physics

STRENGTHS

Python	PyTorch, Botorch, JAX, Scikit-learn, SciPy
Software	Git, SQL, Influx DB, Grafana, Jira, Mathematica, Unix
Skills	Team Leadership, Bayesian Optimization, Software Productization

AWARDS & ACHIEVEMENTS

Scholarships	Studienstiftung des deutschen Volkes Fellowship, Berkeley Gateway Fellowship
Publishing	2 patents, 12 journal publications (5 first-authored), 2 best poster awards