

Quantum Computing and Materials Technology Intern

Santa Clara, CA

The intern will be responsible for kicking off our technology exploration in the Quantum Computing and Si photonics domains, looking for specific segments and High-Value Problems to target, making predictions about the market. The internship should result in an actionable plan for the CTO team to Go-to-Market.

Duration: 5 days a week, 3 to 6 months

Applied Materials, Inc. is the global leader in materials engineering solutions used to produce virtually every new chip and advanced display in the world. Our expertise in modifying materials at atomic levels and on an industrial scale enables customers to transform possibilities into reality. At Applied Materials, our innovations make possible the technology shaping the future.

Applied Materials' Office of the CTO is searching for an intern to join our team. The Office of the CTO pursues new and adjacent markets through materials engineering. We are looking for a passionate technologist combined with a business-savvy personality to bring an actionable and impactful plan for commercializing new technologies developed in our growing team. The position will entail the following:

Responsibilities

- Synthesize industry landscape, competitors, alternative technologies, and recommend go-to-market strategies & innovative business models
- Perform rigorous analysis to address business-critical questions (e.g. market sizing, cost analysis, economic value-added analysis, technology diffusion, forecasting, alternative scenarios)
- Support business development activities and engagements

Requirements

- Able to delve into new technologies quickly, read and understand research articles
- Organized and love to work with people
- Proven record in market analysis, segmentation, and use cases
- Able to understand customer challenges and pain points and work directly with technology groups to visualize possible solutions/products
- Strong PowerPoint and communication skills
- Background in quantum devices, Si photonics, or computing architecture is a plus
- Education:
 - BS/MS degree or working towards PhD in material science, physics, engineering
 - MBA or equivalent experience is preferred but not required