

## Curriculum Vitae

# Shayan Gheidi, PhD

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## EDUCATION

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- **PhD Physics**, Simon Fraser University, Canada (2022)
  - Thesis: *Muon Spin Relaxation Studies of Cuprates in the Normal State*
  - Advisor: *Prof. Jeff Sonier*
- **MSc Physics**, University of Toronto, Canada (2017)
  - Thesis: *Metal to Insulator Transition in Self-Assembled Gold Nanoparticle Films*
  - Advisor: *Prof. Al-Amin Dhirani*
- **BSc Physics**, University of British Columbia, Canada (2016)
  - Thesis: *Muon Spin Rotation ( $\mu$ SR) on Surface Treated Niobium Samples*
  - Advisor: *Prof. Rob Kiefl*

## PROFESSIONAL EXPERIENCE

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<b>Associate Data Scientist</b> Euromonitor International, Chicago, IL, USA	May 2022 – December 2024
<b>PhD Researcher and Teaching Assistant</b> Simon Fraser University, Vancouver, BC, Canada	2017 – 2022
<b>MSc Researcher and Teaching Assistant</b> University of Toronto, Vancouver, BC, Canada	2016 – 2017

## PUBLICATIONS

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- *Ubiquitous Spin Freezing in the Superconducting State of UTe<sub>2</sub>*  
Shyam Sundar, S. Gheidi et al., **Communications Physics** **6**, 24 (2023)
- *Two-gap time reversal symmetry breaking superconductivity in non-centrosymmetric LaNiC<sub>2</sub>*  
Shyam Sundar, S. Gheidi et al., **Physical Review B** **103**, 014511 (2021)
- *Absence of  $\mu$ SR evidence for magnetic order in the pseudogap phase of Bi<sub>2+x</sub>Sr<sub>2-x</sub>CaCu<sub>2</sub>O<sub>8+ $\delta$</sub>*   
S. Gheidi et al., **Physical Review B** **101**, 184511 (2020)
- *Intrinsic low-temperature magnetism in SmB<sub>6</sub>*  
S. Gheidi et al., **Physical Review Letters** **123**, 197203 (2019)
- *Coexistence of ferromagnetic fluctuations and superconductivity in the actinide superconductor UTe<sub>2</sub>*  
Shyam Sundar, S. Gheidi et al., **Physical Review B** **100**, 140502(R) (2019)

## TALKS & POSTERS

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- Search for magnetism in the pseudogap phase of  $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$  by muon spin relaxation, **APS March Meeting (2019)**
- Coexistence of ferromagnetic fluctuations and superconductivity in the actinide superconductor  $\text{UTe}_2$ , **TRIUMF ACOT (2019)**
- Investigations of Magnetism in Overdoped  $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$  Using Zero-Field  $\mu\text{SR}$ , **CIFAR (2019)**
- Using spin polarized muons to probe the pseudogap phase of  $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$  ( $\text{Bi}_{2212}$ ), **TRIUMF IPR (2019)**
- Investigations of the pseudogap phase in overdoped  $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$  with  $\mu\text{SR}$ , **APS March Meeting (2018)**

## AWARDS & FELLOWSHIPS

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- Faculty of Science Excellence in Teaching Award **(2021)**
- Department of Physics Poster Competition Best Poster **(2021)**
- Graduate Fellowship **(2018-2021)**
- Dr. Howard Malm Graduate Award **(2021)**
- Grant Sheffer Graduate Award **(2020)**
- Presidents PhD Scholarship **(2020)**
- Grad Intl Research Travel Award (GIRTA) **(2020)**
- Grant Sheffer Graduate Award **(2019)**

## CERTIFICATES

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- Machine Learning with Python (IBM, Coursera)
- Google Project Management: Professional Certificate (Google, Coursera)