

Honors & Awards

2023-2024 **CEI Graduate Fellowship**, University of Washington, Clean Energy Institute

2020 **Excellence in Chemistry Graduate Fellowship Award**, University of Washington

2020 **Thomas W. Martin Award**, Vanderbilt University

2019 **Dr.Sidney & Becca Fleischer Award**, Vanderbilt University

2018 **Vanderbilt Undergraduate Summer Research Program Fellowship**, Vanderbilt University

Presentations

Mar. 2024 **Liu, A.**; Hammes-Schiffer,S.; Li, X. Multicomponent Cholesky Decomposition: Application to Nuclear-Electronic Orbital Theory, ACS Spring 2024 *New Orleans, LA*

Sept. 2023 Chow, M.; **Liu, A.**; Lambros, E., Multiscale Nuclear-Electronic Orbital Quantum Dynamics in Complex Environments, EFRC-Hub-CMS-CCS PI Meeting *Virtual*

Sept. 2023 Li, S; **Liu, A.**; Li, X.; Young, L., Radiolysis in Extreme Environments EFRC-Hub-CMS-CCS PI Meeting *Virtual*

Aug. 2023 **Liu, A.**; Beck, R; Li, X.; A Computational Study of Potassium Potassium K-Edge XANES Spectra, IDREAM EFRC Meeting *PNNL, WA*

Dec. 2022 **Liu, A.**; Li, X. Simultaneous Optimization of Nuclear-Electronic Orbitals, SciDac Summit, 2022 *LBNL, CA*

Sept. 2019 **Liu, A.**; Kuenze, G; Meiler, J; Structural Modeling and Validation of CNIH1 Protein, Vanderbilt Student Research Fair *Nashville, TN*

Outreach Activities

Research Computing Club

University of Washington

- Hyak Governance Board(since 2023)
- RCC Officer (since 2023)
- RCC mentorship program [Mentor] (since 2022)