



Frederick U Nitta

Ph.D. Student in Electrical Engineering, admitted Autumn 2024

Bio

BIO

Frederick received his B.S. with EE and Chemistry from Stanford (2024), alongside a co-term in MSE (2024) at Stanford. He completed his EE honors thesis with Prof. Krishna Saraswat and Prof. Eric Pop on the efficiency limits of transition metal dichalcogenide (TMD) solar cells, receiving the Firestone Medal for Excellence in Undergraduate Research. He is now pursuing his Ph.D. in EE, on 3R-phase TMDs and their bulk photovoltaic effect, and on the physics and applications of transition metal oxides. He is co-advised by Prof. Eric Pop and Prof. Andrew Mannix.

LINKS

- LinkedIn: <https://www.linkedin.com/in/fredericknitta/>

Publications

PUBLICATIONS

- **The Need for Fundamental Photovoltaics Research to Ensure Energy Security** *PROGRESS IN PHOTOVOLTAICS*
Saive, R., Conibeer, G., Einhaus, L., Guillemoles, J., Hayibo, K., Hinzer, K., Krich, J., Lenio, M., Nielsen, M., Nitta, F., Sellers, I., Suchet, D., Tervo, et al
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