Tristan Martinez

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GitHub: https://github.com/trma2416

EDUCATION

University of Colorado Boulder
Bachelor of Science: Applied Computer Science
College of Engineering and Applied Science | August 2027
Relevant Courses: Data Structures, Algorithms, Discrete Structures

University of Colorado Boulder
Bachelor of Arts: Physics
College of Arts and Sciences | December 2022
Relevant Courses: Scientific Computing, Optics, Electronics, Quantum Computing

TECHNICAL SKILLS

Programming Languages: Python, C++
Tools and Technology: Data Analysis, Data Modeling, Analytical Chemistry, Optics
Additional Skills: Scientific Computing, Small Angle X-Ray Scattering (SAXS) Analysis, Battery Fabrication

EXPERIENCE

Undergraduate Research Assistant
University of Colorado, Boulder
Michael F. Toney Battery Group | January 2022 - Dec 2022

- Developed Sodium ion coincell batteries for synchrotron experiments
- Modeled Synchrotron X-ray scattering data using Python for analysis of hard carbon anodes in sodium ion batteries
- Lead Presentations of Analysis and Results to Scientists and Researchers
- Findings published in Advanced Energy Materials in 2023

Twisted Pine Brewing , Kitchen/Bartender July 2022 - October 2023

- Sold 100+ orders a night
- Provided Customer support to ensure satisfaction

RESEARCH PUBLICATIONS

- Kitsu Iglesias, L., Antonio, E. N., Martinez, T. D., Zhang, L., Zhuo, Z., Weigand, S. J., Guo, J., Toney, M. F., Revealing the Sodium Storage Mechanisms in Hard Carbon Pores. *Adv. Energy Mater.* 2023, 2302171. https://doi.org/10.1002/aenm.202302171