

Gage Siebert

Curriculum Vitae

PERSONAL DETAILS

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Address N9646 Lakeshore Dr., Van Dyne Wisconsin

EDUCATION

University of Wisconsin-Madison 2018-2022
Physics Major

Current GPA: 3.839. Astronaut Scholar. Goldwater Scholar. Hilldale fellow. Liebenberg Research Award recipient. Firminhac Physics Award recipient.

Weyauwega-Fremont High School 2014-2018

Graduated Salutatorian. UW-Stevens Point Dean's Distinguished Achievement Award

WORK EXPERIENCE

Research Assistant 2019-Present
Observational Cosmology Lab: Tianlai Project, EXCLAIM Mission

Simulated Tianlai single dish beam patterns. Created assays of the Tianlai interferometer's data and systematics. Leading a novel search for low frequency periodicities. Simulating and optimizing the optical system of NASA's EXCLAIM telescope.

Summer Intern 2019
Arecibo Observatory

Observed with Arecibo 305 meter telescope and performed single pulse analyses on millisecond pulsars J1022+1001 and J1713+0747. Presented this work at American Astronomical Society conference in January of 2020.

Research Assistant 2018-2019
Baum Lab, Origin of Life Project

Performed environmental selection bench-top experiments and operated an SEM. Created MATLAB simulations of environmental selection experiments and catalytic networks.

PAPERS

Essinger-Hileman, T., Oxholm, T., Siebert, G., et al. 2020, arXiv:2012.10481

Cataldo, G., et al. 2020, <https://doi.org/10.1117/12.2561069>

Wu, F., Li, J., Zuo, S., et al. 2020, arXiv:2011.05946

SOFTWARE EXPERIENCE

MATLAB, Python, CST, POPPY, Latex, Mathematica, PRESTO, DSPSR, PSRCHIVE, PSRSALSA, Linux/Unix, Vim, HTCCondor