William Kwako

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wkwako.github.io

EDUCATION

B.A., Physics, Willamette University, Salem, OR   Graduation date: May 2019
Senior Thesis: *Looking for the BAO Signal in the 2MRS Using the Wavelet Transformation*   GPA: 3.62/4.0

WORK EXPERIENCE

Technical Solutions Engineer – Epic Systems Corporation   December 2019 – December 2022
- Assisted with deployment and maintenance of healthcare software in the Claims and Remittance department
- Headed the Debugging Task Force; responsibilities included teaching new hires how to use internal debugging tools, revising the curriculum, and delegating assignments to task force members
- Conducted quality assurance on multiple development projects using PQA framework
- Created searches with M to retrieve information from Healthcare IT databases for issue resolution and data analysis

Teacher's Assistant – Willamette University, Physics Department   January 2019 – May 2019
- Guided Students through computational and experimental Introductory Physics 2 laboratory exercises
- Answered questions about class material and evaluated students' performance

Intern – Willamette University, Physics Department   May 2018 – July 2018
- Analyzed frequency and location of baryon acoustic oscillations in 2MRS
- Located two BAOs with signals and characteristics agreeing with results of previous studies
- Worked closely with professor and peers to build computer capable of running code off its GPU

Volunteer – UCSB Department of Cosmology   July 2017
- Assisted research staff in measuring the maximum intensity of light receivable by photodiodes
- End goal of sending small satellites to Proxima Centauri propelled by lasers and a solar sail system

POSTERS AND PRESENTATIONS

- Kwako W., Watkins, R. (2019, May). *Looking for the BAO Signal in the 2MRS Using the Wavelet Transformation*. Oral presentation as part of the Willamette-Linfield intercollegiate symposium, Salem, OR.
- Kwako W., Watkins, R. (2019, January). *Looking for the BAO Signal in the 2MRS Using the Wavelet Transformation.* Poster presented at 223rd Meeting of the American Astronomical Society, Seattle, WA.
- Kwako W., Watkins, R. (2018, November). *Looking for the BAO Signal in the 2MRS Using the Wavelet Transformation.* Poster presentation at the Murdock College Science Research Conference, Vancouver, WA.

SKILLS

Software
- Microsoft 365 suite
- LaTeX
- Linux OS

Hardware
- Building computers
- Arduino-based electronics

Programming
- Python
- Java
- M
- SQL
- C#

HONORS AND AWARDS

Jason Lee Scholarship   August 2015 – May 2019
Willamette University College Honors   February 2016 – May 2019
Murdock Charitable Trust College Research Program for the Natural Sciences ($5500)   June 2018 – August 2018