

Physics Student

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Education

B.S. PHYSICS | BRIGHAM YOUNG UNIVERSITY | APRIL 2020

- Current GPA: 4.0
- Recipient of Heritage Scholarship
- Member of the Golden Key International and Phi Kappa Phi Honor Societies

Applicable Courses

- Optics
- Modern Physics
- Computational Physics
- Mechanics
- Thermodynamics
- Statistics for Engineers
- Fabrication of Scientific Apparatus
- Experimental Methods

Skills

- Experience with Python, MATLAB, C++, and R
- Experience with LabVIEW and Mathematica
- Experience with microcontrollers and analog circuit design
- Currently enrolled in courses covering the uses of SolidWorks and optical equipment
- Proficient with Microsoft Office
- Fluent in Spanish as a second language

Experience

RESEARCH ASSISTANT | BRIGHAM YOUNG UNIVERSITY – PROVO, UT | DEC 2017 – PRESENT

- Research Assistant with Dr. Dallin Durfee, working with lens-less imaging and laser optics
- Currently using Python to model structured illumination and interferometry experiments using imaging processing techniques such as Fourier analysis
- Worked on the design and prototyping of photodetector circuits for low intensity light applications
- Expected to carry out projects with minimal direct guidance and present research periodically

PHYSICS TA AND TUTOR | BRIGHAM YOUNG UNIVERSITY – PROVO, UT | SEP 2017 – DEC 2017

- Provided personal assistance to 100+ students in entry level college physics courses
- Learned to explain complex problems in simple terms

SERVICE MISSIONARY | THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS – QUITO, ECUADOR | SEP 2014 - AUG 2016

- Worked as a volunteer public representative of the Church of Jesus Christ of Latter-day Saints in Quito, Ecuador and surrounding areas
- Oversaw groups of 4-8 and gave trainings on leadership and communication skills

OFFICE INTERN | AIRCARE1 INTERNATIONAL – ALBUQUERQUE, NM | JULY - SEP 2014

- Oversaw database maintenance and marketing related communication and technical writing