

Benjamin Reichelt
PO Box 1302
Española, NM 87532
505-927-3103
benjaminreichelt@gmail.com

Educational Background:

Bachelor of Science, *University of New Mexico*, Albuquerque, NM- Expected May 2019

- Majors: Electrical Engineering and Physics
- GPA: 4.28

Los Alamos High School, Los Alamos, NM- Graduated 2015

Employment Background:

UNM Plasma Physics Laboratory- Undergraduate intern, Albuquerque, NM, 2018

- Worked to restore functionality to data acquisition system and Mach probes

UNM Center for Academic Program Support- Math/Physics tutor, Albuquerque, NM, 2017

- Interacted with a diverse student population in order to further their understanding of the material.
- Presented subject matter trainings to colleagues.

Los Alamos National Laboratory- Undergraduate Intern, Los Alamos, NM, 2014-present

- Ran simulations of explosive models on supercomputers
- Created several programs for interpolation of large data sets; compared experimental data to simulation data
- Participated in 2016 and 2017 Student Symposiums, presenting posters each time
- Presented findings from summer 2016 to leaders of the primary weapon physics group
- Presented findings to various technicians in order to design future explosive tests
- Co Authored several articles in *Weapon Review Letters*, an internal database.

Technical Skills:

- Proficient with linux operating system
- Familiar with several programming languages, including C, python, and Matlab
- Proficient with woodworking tools, including miter saws, table saws, router, jigsaws, drills, and reciprocal saws
- Proficient with metalworking tools and processes, including angle grinders, plasma cutting, drill presses, and GTAW, FCAW, GMAW, and SMAW welding techniques
- Learned various welding, metalworking, and repair techniques at an Automotive Body welding class at Northern New Mexico College

Achievements and Awards

- Won UNM Electrical and Computer Engineering Department Outstanding Junior award in 2017 and 2018
- Won 2018 Feynman award from UNM physics department for best student in contemporary physics
- Graduated with Honors from Los Alamos High School
- National Merit Scholar at UNM

Community Activities:

- Volunteered at Habitat for Humanity for Tau Beta Pi engineering honor society
- Volunteered to design lights for a local musical theater show