

Alex Clark

Pleasant Prairie, WI | 777-555-6666 |alexclark@gmail.com
www.linkedin.com/in/alex.clark

EDUCATION

Bachelor of Science in Physics

University of Wisconsin-Parkside, Kenosha, WI
GPA: 3.4

Excepted Graduation May 20xx

RELEVANT COURSEWORK

Quantum Physics, Advanced Experiments in Physics, Computational Physics, Thermodynamics

SKILLS

- Extensive experience in large data set analysis and physics laboratory work
- Proficiency in Python, SQL, MATLAB, LabVIEW, IDL and HFSS (ANSYS High Frequency Structure Simulator)
- Familiar with Linux, Unix, and Windows operating systems

PROFESSIONAL EXPERIENCE

Atom Group Student Researcher

Aurora Research Center – Milwaukee, WI

January 20xx – Present

- Research development of atom traps for quantum computing using neutral Rb87 atoms
- Develop injection-locked laser and beam projection into Magneto-Optical trap (MOT) via pinhole diffraction

Composition Group Intern

Summit Clinical Labs Kenosha – Kenosha, WI

June 20xx – September 20xx

- Performed analysis and visualization of atmospheric data from TES (Tropospheric Emission Spectrometer) spacecraft

Radiation Safety Group Intern

Aurora Lab – Kenosha, WI

June 20xx – September 20xx

- Developed and evaluated raspberry-pi based ADS-B (Automatic Dependent Surveillance Broadcast) receiver
- Revised aircraft detection program and developed custom scripts for remote data collection and analysis
- Compiled and digitized demission radioactive isotopes into NRC compliant database

Neutrino-Radio Detection Group Student Researcher

Summit Clinical Labs Kenosha – Kenosha, WI

September 20xx – May 20xx

- ANITA (Antarctic Impulsive Transient Antenna): Researched effects of added dielectric lens to radiation pattern directivity, side lobe reduction, and noise figure increase relative to power gain
- Developed Teflon lens geometry on ANITA signal gain both analytically and b creating simulations in HFSS
- EVA (ExaVolt Antenna): Maximized transmission and stability by optimizing materials and geometries

CAMPUS INVOLVEMENT

Member at Large

Physics Club

September 20xx – Present

