

Robert Adams

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EDUCATION

University of Washington

Bachelor of Science, Applied Physics

Seattle, WA

June 2018

Relevant Courses: Electromagnetism, Analog Circuits Lab, Digital Circuits Lab, Optics Lab, Computer Programming, Data-Driven Modelling, Thermodynamics, Modern Mechanics, Visualization and Computer-Aided Design

SKILLS

Programming: Java, MATLAB, Mathematica

Soldering: Certified IPC-7711/7721 Specialist

Drafting: Inventor, SolidWorks, Sketchup

Machining: Drill Press, Milling Machine, Lathe, Hand Tools

Circuit Analysis: Oscilloscope, Function Generator, Power Supply, Multimeter

Language: Spanish (fluent)

EXPERIENCE

Panasonic Avionics Corporation

Repair Technician

Seattle, WA

March 2019 – Feb 2021

Troubleshoot and repair in-flight entertainment equipment for return to airworthiness

- Achieved trainer status in less than a year and provided OJT training to both senior- and junior-level technicians.
- Appointed repair shop focal in Ramco Aviation ERP software; trained technicians, logistics personnel, and administrative staff to perform their respective processes in accordance with FAA regulations.
- Provided business insights to repair station management to support process improvement
- Upload system configurations to head-end equipment using Linux commands
- Navigated appropriate engineering documentation to assess design configuration and accomplished service bulletins, with an emphasis on head-end units that utilize fiber optics and ethernet communication.
- Prepared and calibrated test equipment and tools to diagnose faults
- Uploaded system configurations to head-end equipment using Linux commands

Center for Experimental Nuclear Physics and Astrophysics (CENPA)

Undergraduate Research Assistant

Seattle, WA

July 2017 – June 2018

Independent research position as part of Axion Dark Matter Experiment research group

- Created a prototype apparatus to determine electron position; Machined and assembled components and accompanying switch circuit; Documented experimental data using network analyzer to determine reliability
- Collaborated with fellow undergraduate researchers to discover solutions for circuit specifications using limited resources
- Provided additional assistance to research engineers including soldering circuit components, drafting parts with Inventor, and working with a team to remove the experimental microwave cavity insert from cryogenic environment into cleanroom for maintenance and upgrades