

# Henry Peterson

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An electrical and computer engineering senior at Western Washington University eager to begin a career in aerospace and communication with a consistent academic record reflecting powerful dedication and personal responsibility.

## EDUCATION:

### Western Washington University, Bellingham, Washington

Pursuing B.S. in Electrical and Computer Engineering with a concentration in Energy

- Minors in Mathematics and Physics
- Expected graduation, June 2021; Current GPA 3.56
- ABET accredited

## WORK EXPERIENCE:

### Safran Cabin Interiors, Bellingham, Washington

*Engineering Assistant, Jun 2019 - Sept 2019*

- Create new and edit existing 1:1 form-board layout specs for wire harnesses
- Prepare technical drawings and specifications of electrical systems to ensure that installation and operations conform to FAA regulation and customer requirements
- Review and revise technical reports, such as EWIS and Acceptance Test Procedure reports

*Manufacturing Technician, Dec 2015 - Aug 2017*

- Set up and operate production equipment in accordance with standard operating procedures
- Identify opportunities and implement changes to improve production processes and product quality using concepts such as *lean manufacturing* and *Six Sigma*

## FAMILIAR TOOLS:

Programming Languages:

C                      MATLAB/Simulink/Simscape/PLECS                      ARM Assembly

Engineering Software:

CATIA V5              AutoCAD electrical              Altium Designer              NI Multisim

## LAB EXPERIENCE:

- Designed transmitter and receiver software in *MATLAB* implementing frequency-shift keying and a custom communication protocol
- Wrote various peripheral hardware drivers and applications in *C* using a preemptive kernel and RTOS to complete precise program objectives
- Created multistage amplifier circuit on 2-layer PCB in *Altium Designer* incorporating a DC/DC converter, square wave generator, and LED drivers