**EDUCATION**

May 2019 Idaho State University BAS - Robotics Engineering Technology

May 2002 Idaho State University AAS - Electronics Systems Technology

May 2002 Idaho State University ATC - Laser / Electro-Optics

APR 1996 United States Air Force ATC - Intrusion Detections Systems

APR 1996 United States Air Force ATC - Video & Broadcast Systems

APR 1996 United States Air Force ATC - Electronic Principles

**ACADEMIC EXPERIENCE**

Idaho State University, College of Technology Robotics and Communications Systems Engineering Technology:

2023-Pres Clinical Assistant Professor

2019-2023 Clinical Senior Instructor

2013-2019 Clinical Instructor

**NON-ACADEMIC EXPERIENCE**

2006-2013, Providence St Vincent Medical Center, Portland OR

* CBET (Certified Biomedical Equipment Technician, ICC Certified)
* Responsible for Respiratory, Emergency, EKG, Sterile Processing, and NICU departments

2002-2006, Tektronix Test & Measurement, Beaverton OR

* Field Service Tech III, specializing in video, optical, and oscilloscopes.
* Responsible for service depot and customer on-site repair, calibration, & data collection to NIST.

2000-2002, Idaho State University, Pocatello ID

* Tutor
* Electronic Systems & Core Theory. Applied: Algebra, Trigonometry, & Calculus

1995-1999, United States Air Force, Stateside & Overseas

* AFSC, 2E1X4 – Visual Imagery and Intrusion Detection Systems
* Managed television imagery, and intrusion detection system facilities

**TEACHING CERTIFICATION (Idaho State Board of Education)**

2017-2027 Advanced Occupational Specialist: Electronic Technology Postsecondary

2016-2017 Standard Occupational Specialist: Electronic Technology Postsecondary

2013-2016 Limited Occupational Specialist: Electronic Technology Postsecondary

**Federal Communications Commission, FCC (FRN 0022083018)**

2023-2032 Extra Class Accredited Volunteer Examiner, ARRL

2019-No Exp. GMDSS Radio Maintainer’s License, Element 9

2019-No Exp. Ship Radar Endorsement, Element 8

2012-2032 Amateur Radio License, Extra Class, AE7YM

2001-No Exp. General Radiotelephone Operator’s License, Element 3

2001-No Exp. Marine Radio Operator Permit, Element 1

**PROFESSIONAL ORGANIZATIONS**

* Career & Technical Educators of Idaho, CTEI
* The American Radio Relay League, Extra Class Accredited Volunteer Examiner

**HONORS AND AWARDS**

2018 Nominated for ISU Distinguished Teacher

2018 Ambassador Nominee for Dedication to CTE in Idaho

2017 Postsecondary Advanced Occupational Specialist Credential

2015 Idaho Technical Education, Exemplary Postsecondary Program Award

**SERVICE – University Service Appointments**

2022-2025 Faculty Grievance Standing Appeals Panel

2020-2023 Academic Standards Council (ASC)

2020-2022 Strategic Planning Committee (SPC)

2020-2021 EAB, Faculty Alerts & Cases

2017-Current ISU Electronics Club Advisor

**PUBLICATIONS AND PRESENTATIONS**

2023, 2022, & 2019 - Ignite Their Future (ITF), 5-day ISU Summer Camp - developed & taught the advanced electronics course for High School students. “The Bread Board Power Supply & Arduino fundamentals”, “The Bread Board Power Supply & Power Supply fundamentals”, “The Useless Box, 555 Timers & Servo Control circuits”.

2023 - i-STEM (Idaho STEM Action Center), 4-day professional development conference - developed & co- taught with Tim Rossiter the “Electronic Circuits and Coding” course for Idaho High School Teachers.

2022-Current - Website Development: [Tim.Leishman.xyz](https://tim.leishman.xyz/articles/), Built a website to support and connect with secondary STEM educators and students. Currently I have over 30 web articles published.

2018 – ICTE Reach Summer Professional Development Conference Presenter. Presented on the “Bipolar Junction Transistor Amplifier” and Co-presented with Tim Rossiter on the Vex Robotics “The Claw Bot”.

**PROFESSIONAL DEVELOPMENT**

2016-2019 Idaho Project Leadership (VANHEMERT ACADEMY)

2016-2018 Idaho CTE Leadership Institute (Idaho Division of Career Technical Ed.)

**Udemy (Online Courses)**

2023 LaTex for Professional Publications

2023 Mastering LaTex – Academic Typesetting for Beginners

2021 GitHub Ultimate: Master Git and GitHub – Beginner to Expert

2021 The Ultimate LabVIEW 2020 Course

2021 Fusion 360 tutorial for CNC machinists

2020 Fusion 360 CAD/CAM for CNC routers

2020 Designing for 3D Printing with Fusion 360

2020 KiCad Like a Pro 2nd edition

**Continuing Education & Work Force Training (Idaho State University**

2021 Introduction to Mastercam-Design and Toolpaths (30hrs)

**Fusion 360 for Glowforge Users**

2020 5-part video series taught by Jason Lichtman, an AutoDesk Fusion 360 Technical Specialist