

# CHRISTOPHER ALBANO

Electronics Engineering Technician

## CONTACT

## EDUCATION

**Idaho State University**  
Robotics and Communications  
Systems Engineering BAS  
2019

**NAVSCOLEOD**  
Eglin Air Force Base, FL  
June 1, 2012 (Class 12-10 N)

## EXPERTISE

General Electronics Analysis &  
RF Theory

Laboratory Procedures

Professional Training Objectives  
& Methods

Operational Planning & Process  
Improvement

Information Security

Threat Prevention & Tactical  
Countermeasures

## PROFILE

Communications & Electronic Systems expert with a proven record for the careful management of sensitive information and situations. Passionate about public education, with an interest in Full Inclusion and Montessori methodologies. Respectful of the unique challenges and legal constraints that come with operating inside the public sphere. History of employment and volunteerism supporting education through mentorship and coaching. Analytic, solution-driven approach to problem-solving. Demonstrates a rapid grasp of detailed data. Proven ability to operate within budgetary and other critical organization constraints.

## PROFESSIONAL EXPERIENCE

**Hardware Engineering Technician,  
Schweitzer Engineering Laboratories / 2020-Present**

Engineering test support and validation. Uses functional and safety qualification guidelines to aid in the development of protective & automation equipment for industrial & utility-scale electrical infrastructure. Conducts primary research in technical literature, troubleshooting, and testing to determine root causes when test results are not aligned with expected outcomes. Trains peers on specialized & sensitive test equipment. Mentors junior technicians, engineers, and technical interns. Collaborates on technical & cultural fit interviews for technician candidates.

Conducted safety testing and spear-headed functional design improvements for three new SEL products.

Conducted testing and improvements to various existing products.

**RCET Program Tutor  
Idaho State University / 2018-2019**

Mathematics and electronics tutor to roughly two dozen students. Mentored successive students as one of the two pioneer baccalaureate graduates of ISU's Robotics & Communications Systems Program.

**Explosive Ordnance Disposal Technician  
United States Army / 2011 – 2017**

Advanced IED Electronics subject matter expert and head fabricator for 242<sup>nd</sup> Explosive Ordnance Battalion. IED training-aid prototype and schematics developer. Supported CI2C IED. Developed curriculum on PIC and micro-computer driven IED applications. Training aids clerk and inventory manager over a 24-month period. Operated as Maintenance NCOIC over an 18-month period, including mentoring soldiers. Operated as SAMS-1E Subject Matter Expert for

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## Electronics Engineering Technician

### SKILLS

Curriculum Development & Design

Scratch Educational Software

Chrome Web Development Tools

Circuit Layout and Fabrication

C, HTML, CSS, & JavaScript

Adobe Suite, Code::Blocks & Visual Basic Blend studios

PCB Design and Layout Using KiCAD

PIC and Raspberry Pi Programming

Python Task Automation & Data Processing

Optical Test Equipment and Design

Bash, Gedit, & Raspbian OS Linux Software

Arduino Development Software

### AWARDS

**Certificate of Appreciation**  
United States Secret Service & the United Nations General Assembly

**(2) Army Achievement Medal**  
Meritorious Service

### PROFESSIONAL EXPERIENCE (CONTINUED)

242<sup>nd</sup> Battalion over 30 month period, including training users. Conducted training for supported military units and civilian law enforcement agencies regarding basic explosive and UXO safety. Graduated second-in-class at NAVSCOLEOD.

Designed & constructed more than 200 C-IED training devices and scenarios.

Developed reusable Raspberry Pi driven advanced circuit training device. Built and published HTML EOD team book with integrated tools and checklists.

Operated as EOD Team Sergeant February 2014 - 2016.

#### **Assistant Manager of Dietary Services Emeritus / 2006 – 2011**

Assisted in the dining management for a 63-person facility. Shared responsibility in staff schedule planning. Conducted staff training covering sanitation practices and food safety. Ensured all food procedures were followed in accordance with established policies and sanitary regulations and assisted in preparing and serving meals as necessary. Maintained the care and use of supplies and equipment while keeping dining facilities clean for use. Dealt tactfully with personnel, residents, family members, visitors, and government agencies.

Created and managed a database list for kitchen inventory, ordering purposes, and menu planning.

#### **Cook Lincoln Early Childhood Center - Pocatello SD 25 / 2005 – 2006**

Served children from low-income backgrounds. Adhered to the regulations set by School District 25's nutritionist to provide students with nutritionally balanced diets. Prepared food and ensured everything was served in accordance with established procedures, policies, and sanitary regulations and participated in regular food-handling training. Dealt tactfully with personnel, students, family members, visitors, and government agencies.

#### **Facilities Assistant Caretaker & Kitchen Manager Cathedral Pines Camp / 2004-2005**

Managed dining services and kitchen staff for 150-person-occupancy camp and assisted in seasonal maintenance/upkeep of the facilities. Trained and scheduled camp staff and volunteers. Aided in preparations for special events such as weddings, as well as 12 regularly-scheduled camps, including two Theater Camps, and Camp Rainbow Gold - Idaho's first medical camp which supported children (and

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## AWARDS (CONT.)

**Army Commendation Medal**  
Dedication to Duty

**Certificate of Achievement**  
Raven's Challenge

**EOD Senior Badge**  
4 Years EOD Service

**(4) Dean's List**  
Idaho State University

**(2) President's List**  
Idaho State University

## PROFESSIONAL DEVELOPMENT

**ED-Ex**  
2015 – Present

CS50 – Introduction to Computer Science and Programming  
EE40LX – Electronic Interfaces

**Army Skills Portal**  
2015 – 2017

Certified Ethical Hacker Coursework  
Systems Security Certified Practitioner Coursework

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## VOLUNTEER EXPERIENCE

**Treasurer**  
**Idaho State University Robotics Club / 2018 – 2019**

Maintained financial responsibility and accountability for ISU's Electronics Club resources. Competed in skills competitions at the state level and provided outreach/education to local district students in order to develop broad electronics skills.

**Club Coach**  
**Pocatello Valley Montessori School Robotics Club / 2017 – 2019**

Assisted the staff and students at PVMS in planning lessons and activities for school and club. 1-1 mentored smaller students and coached a larger group. Participated in demonstrating concepts and student projects to the wider school district.

Wrote successful grant for robotics interaction set of equipment and tools.

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