

Randy Westlund

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Experience

Kootenai Strong

Co-Founder and President

Post Falls, ID

August 2022–Present

- Jointly founded a nonprofit focused on Kootenai County which is a combination of think tank and community event organizer. Many details are still TBD.

Westlund Investments & Property Management

Minority Owner and Manager

Post Falls, ID

September 2021–Present

- Directed investment in Kootenai County single-family homes. Personally managed four properties.

Diligens Technology

Co-Founder and CEO

Post Falls, ID

March 2021–Present

- Created a custom software development business with a focus on web-based technologies. Took the technical lead role, designing system architecture and keeping projects on schedule.

Awning Tracker

Founder and CEO

Post Falls, ID

July 2016–Present

- Created a business providing project management software to small companies in the awning industry.
- Gave presentations and managed booths at international trade shows. Trained multiple interns.

Experimeta, LLC

Co-Founder and CEO

Medford, MA

July 2015–August 2018

- Designed and implemented a second iteration of the firmware and software for the ultraviolet cleaning devices described under SPI Team, below. Traveled to Kansas to demo and install the improved units.

Earth, Atmospheric, and Planetary Sciences Department, MIT

System Architect, Researcher

Cambridge, MA

April 2014–May 2017

- Took over development of SLOOP, an animal biometrics engine which uses image recognition to help biologists identify individual members of a species from photographs in order to model population over time.
- Traveled solo to New Zealand to upgrade and relocate the Department of Conservation's existing software.

Systems Engineer via E5 Aeronautics

July 2013–November 2017

- Designed embedded systems and communication protocols for small unmanned aircraft for civilian use.
- Tested unmanned aerial systems (UAS/UAV) at Popocatepetl, an active volcano in Mexico. Flew aircraft through the volcano's plume to collect environmental data.

Urban Scholars, University of Massachusetts Boston

Robotics Instructor

Boston, MA

June 2013–Dec 2013

- Designed and taught courses on robotics and programming for students aged 11–16.

SPI Team, LLC

Co-Founder and Lead Engineer

Highland, MD

Feb 2012–June 2013

- Led a team that designed and implemented embedded electronics and algorithms to control robotic arms.
- Collaborated with a patent holder for an autonomous internet-connected germicidal ultraviolet light cleaning device. Implemented a functional prototype from patent filings, including circuit and firmware design.

NASA Goddard Space Flight Center

Apprentice/Lead Intern, Robotics Engineering Boot Camp

Greenbelt, MD

June 2011–Aug 2011

- Designed and implemented a software-defined radio (SDR) to receive and decode satellite communications from NOAA's weather satellites.
- Traveled to McMurdo, Antarctica and replaced old analog equipment with my SDR in December 2011. Returned in December 2012 for follow-up. Learned antarctic survival and igloo design.

Charlotte Tent and Awning Co., Inc.

Bookkeeper/Assistant

Charlotte, NC

June 2005–Sept 2009

- Managed accounts receivable and accounts payable for company with \$2.5 million in revenue.
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Education

The University of North Carolina at Charlotte

B.S., Computer Engineering

Minor: Mathematics, Classical Studies

Charlotte, NC

2011