

# Jay Swanson

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## Education

### B.S. Computer Engineering

Utah State University

Logan, UT  
Aug 2013 - 2021

### National Outdoor Leadership School (NOLS)

Ranikhet, Uttarakhand, India

Mar 2013 - May 2013

Baja California Sur, Mexico

Jan 2013

- Trained leadership techniques in outdoor platform with Risk Management emphasis
- Led small teams, daily, through difficult terrain and seas while building a toolbox of safe, effective leadership skills

## Professional Experience

### QA Software Engineer

ICON Health and Fitness

Logan, UT  
Sep 2018 - Present

- Conduct end product validation testing by creating and executing test cases using testing software
- Enhanced software testing efficiency by developing G Suite tools to prioritize projects

### Sales Associate

CampSaver

Nibley, UT  
Sep 2019 - Present

- Assist hundreds of customers per day in finding or selecting items, and providing recommendations based on previous, personal, outdoor experience

### Youth Dorm Counselor

Logan River Academy

Logan, UT  
Jun 2018 - Sep 2018

- Manage, counsel and mentor a dorm of up to 12 teenagers with behavioral disorders, often leading outdoor activities

### Robotics and Programming Instructor

Lincoln Elementary School

Hyrum, UT  
Nov 2017 - May 2018

- Manage a classroom of students while educating on programming and robotics using Sphero and VexIQ robots
- Construct customized lesson plans to teach and instill learning autonomy

### Summer Camp Counselor

Stokes Nature Center

Logan, UT  
May 2016 - Aug 2016

- Planned and executed eight week-long nature camps
- Led groups of children safely through the wilderness for adventure and backpacking camps

### Research and Development Engineering Intern

Xylem

Morton Grove, IL  
May 2014 - Aug 2014

- Collaborated with Senior Engineers to conceptualize, design and build a centrifugal water pump component
- Optimized company resources with created, patented part (Patent: US 20160290408)

### Mechanic/Automotive Technician

Naperville Auto Care & Emissions

Naperville, IL  
Sep 2011 - Dec 2012

- Diagnosed, repaired, and maintained automobiles, motorcycles, and trucks

## Volunteer Experience

### Search and Rescue Unit Team Member

Cache County Sheriff's Office

Logan, UT  
May 2019 - Present

- Provide professional search and rescue services to the citizens and visitors of Cache County
- Train to proficiency in man-tracking and open area search, boat and drone operations, wilderness first aid, K-9's, GPS and map skills, technical, winter, avalanche, ice, and swift water rescues

## Miscellaneous

Rock Climbing (Trad/Sport)

Backcountry Snowsports

Computer Programming

Backpacking

Eagle Scout

Trail Running

Skiing/Snowboarding

Kayaking

Mountain Biking

## Patents

**US 20160290408** Tapered washer shaft jacking arrangement. Issued October 6, 2016.