Jay Swanson

708.710.9980

swanjson.github.io
linkedin.com/in/swanjson
swanjson@gmail.com

Education

B.S. Computer Engineering — Logan, UT
Utah State University — Aug 2013 - May 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 safe, effective leadership skills

Professional Experience

QA Software Engineer — Logan, UT
ICON Health and Fitness — Sep 2018 - Present
- Conduct end-product validation testing by creating and executing test cases using workflow and testing software
- Developed scripts to automate pulling software logs from devices, saving money in preventable hours of labor
- Enhanced software testing efficiency by developing G Suite tools and VBA macros to prioritize projects

Sales Associate — Nibley, UT
CampSaver — Sep 2019 - Present
- Assist hundreds of customers per day in finding or selecting items, and providing recommendations based on previous, personal, outdoor experience

Robotics and Programming Instructor — Hyrum, UT
Lincoln Elementary School — Nov 2017 - May 2018
- Managed a classroom of students while educating on programming and robotics using Sphero and VexIQ robots
- Constructed customized lesson plans to teach and instill learning autonomy

Undergraduate Research Assistant — Logan, UT
Utah State University — Oct 2016 - Oct 2017
- Research Focus: Next Generation Wireless Heterogeneous Networks (5G)

Mathematics and Physics Tutor — Petersboro, UT
Avalon Hills Foundation for Eating Disorders — May 2015 - April 2017
- Tailored strategies and lesson plans to provide educational support and improve student study skills

Research and Development Engineering Intern — Morton Grove, IL
Xylem — 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 (US 20160290408)

Volunteer Experience

Search and Rescue Unit Team Member — Logan, UT
Cache County Sheriff's Office — 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

Skills

Computer:

macOS	MS Office	LaTeX	Solid Edge	JavaScript
Windows	Google Apps Suite	Python	Pro/E	MATLAB
Linux	C++	Verilog	AutoCAD	node.js

Miscellaneous:

Eagle Scout	Conversational in Spanish	Rock Climbing (Trad/Sport)
Expansive Personal Project experience	13+ years of theatre training	Snowsports

Patents

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