

RYAN PALO

MS Computer Science, BS Mechanical Engineering

ryan@thepalos.com * 801-452-3905 * Elk Grove, CA * assertnotmagic.com
Github: @rpalo * LinkedIn: /in/ryan-palo * Exercism: exercism.io/profiles/rpalo

Professional Experience

Lead Engineer, Project Manager, Quality Manager - ProtoQuick (Oct 2015 - Present)

- Built and maintain company website (Jekyll, JavaScript, CSS Grid, Serverless Form/File-Upload Services) resulting in ~25% more RFQ's/year
- Successfully manage and complete >50 mold projects/year (doubled from last year)
- Implement and manage ISO 9001:2015 quality system, passing audits with no major findings for 5 years
- Train, coordinate, and oversee multiple engineers and quality assurance techs

Mechanical Engineer - Simms Machinery International, Inc. (June 2014 - Oct 2015)

- Created a Python program to interface with FORTRAN library to automate iterative analysis for turbine-compressor design. Upgraded from a 1-at-a-time, manual Excel spreadsheet. Easily saved over 100 hours/year of engineer time.
- Built and released a lead-generation iPhone Swift app in 3 months, despite no one at the company having any mobile or Swift experience, including me!
- Identified the need and built a database to catalog drawers full of technical drawings to speed up searches, queries (MS Access, VBA)
- In <6 months, learned turbomachinery FEA/CFD methods and wrote a step-by-step manual to aid future engineers

Education

Master's in Computer Science - Lewis University, Romeoville, IL (6/2021)

Intelligent Systems Focus: AI-based scheduling, security, forensics, operating systems

Bachelor's in Mechanical Engineering - Cal Poly, San Luis Obispo, CA (6/2014)

Controls, FEA, CAD, Linear Analysis, MATLAB, Python for Data Analysis

Skills

Python:	*****	Java:	*****
Ruby:	*****	Rust:	*****
Bash/Linux:	*****	C:	*****

- Python/Bash Tech. Reviewer/Mentor
- Love to learn. Pick up new skills & languages extremely quickly.
- Experienced project and engineering manager, keeping jobs and teammates on track and successful