

## # RYAN PALO

MS Computer Science (in-progress), BS Mechanical Engineering

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Github: @rpalo \* LinkedIn: /in/ryan-palo \* Exercism: exercism.io/profiles/rpalo

**Python/Ruby Developer** - Remote or Sacramento area

Looking for Full-time Jr. Back-End, SRE, DevOps, Docs, QA, or Internal Tooling position

## ## Professional Experience

### **Lead Engineer, Project Manager, Quality Manager** - ProtoQuick (October 2015 - Present)

- Built and maintain company website (Jekyll, JavaScript, CSS Grid, Serverless Form/File-Upload Services) resulting in ~25% more RFQ's
- Successfully manage and complete >50 mold projects/year (doubled this year)
- Implement and manage ISO 9001:2015 quality system, passing audits with no major findings for 4 years
- Train, coordinate, and oversee multiple engineers and quality assurance techs

### **Mechanical Engineer** - Simms Machinery International, Inc. (June 2014 - October 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: security, forensics, AI, robotics

### **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: \*\*\*\*\*

Ruby: \*\*\*\*\*

Bash/Linux: \*\*\*\*\*

JavaScript: \*\*\*\*\*

Rust: \*\*\*\*\*

- 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