

FRANKLIN PERENY

Program Manager, Mechanical Engineer, and Computer Scientist

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📍 Suzhou, China

PROFESSIONAL EXPERIENCE

PMO Leader, Sullair Asia

Sullair

📅 August 2018 – Ongoing 📍 Suzhou, China

- PMO leader for Sullair Asia
- Lead global new product development programs
- Manage Sullair Asia program managers and oil-flooded engineering teams
- Develop and implement global work processes
- Scope, cost, and schedule management
- Create and support global new product development road-map
- Cost, budget, and sales forecast management

Program Manager

Matheson Tri-Gas

📅 August 2015 – August 2018 📍 Irving, TX

- Lead air separation unit (ASU) design & construction projects
- Organized and lead outage and plant turnaround projects
- Developed China low cost sourcing strategy generated \$10MM in capex reduction
- Centrifugal compressor subject matter expert

Mechanical Equipment Engineer

Praxair

📅 January 2014 – December 2015 📍 Tonawanda, NY & Shanghai, China

- Global engineering lead for low-cost sourcing
- ASU design and project execution in North America, China, Korea, and Russia
- Lead HAZOP, mechanical integrity and process safety review for new ASU plant designs
- Centrifugal compressor subject matter expert
- Mechanical and thermodynamic testing of centrifugal compressors

Applications Engineer

PCB Piezotronics

📅 December 2009 – September 2011 📍 Depew, NY

- Develop technical and commercial proposals for sensor and measurement systems
- Integration of sensors with customer DCS/PLC
- Vibration monitoring and predictive maintenance training
- Root cause failure analysis

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EDUCATION

M.S. Computer Science

Georgia Institute of Technology

📅 Fall 2022 – Spring 2024 (Expected)

M.S. Mechanical Engineering

State University of New York at Buffalo

📅 Fall 2007 – Fall 2011

B.S. Mechanical Engineering

Minor: Chinese

State University of New York at Buffalo

📅 Fall 2002 – Spring 2007

CERTIFICATIONS

Junior Penetration Tester (eJPT)

eLearn Security

📅 July 2022

Project Management Professional (PMP)

Project Management Institute (PMI)

📅 June 2015 – Current

PROFESSIONAL SKILLS

Project & Program Management

Team Leadership

Resource Management

Product Roadmap Strategy

New Product Development

PMO Leadership

Global Sourcing

Cost Reduction & Budget Management

ENGINEERING SKILLS

HAZOP & Process Safety

Compressors

Turbomachinery

Heat Exchangers

Air Separation

Design & Construction

Vibration Analysis

Predictive Maintenance

Project Engineer

Cameron Compression Systems

📅 July 2007 – April 2009

📍 Buffalo, NY

- Managed the portfolio of engineered centrifugal compressor projects for China and Southeast Asia
- Lead project planning, budgeting, manufacturing, and testing of centrifugal compressors
- Developed project commercial and technical deliverables

PERSONAL PROJECTS

</> Konverter

A free, flexible and extensible engineering and scientific unit converter written in C++ for Windows, Mac OS, and Linux.

</> GnuSort

A simple file sorting utility for quickly organizing and copying massive amounts of files by file extension.

</> frankpereny.com

Personal website built with Python, the Django web framework, and Nginx server. Website is hosted on self-maintained Debian webserver located on a Linode virtual private server.

</> Brickly

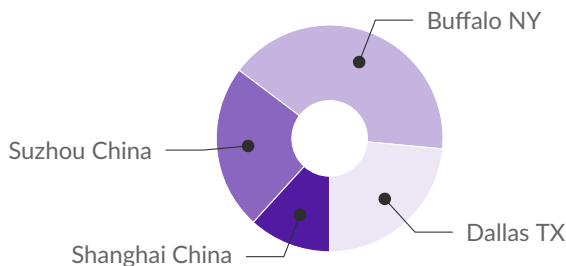
Lego® mosaic generation algorithm written in Python. Allows users to upload their photos and create mosaics from Lego® blocks.

LANGUAGE SKILLS

English
Chinese



MY GLOBAL CAREER



COMPUTER SKILLS

C++ C# Java Python Django

Linux Nginx Apache

Algorithms & Data Structures

PROJECT EXPERIENCE



DS 45-75kW NPD

Sullair and Hiatchi's new product development oil-free packaged screw compressor.



LS 132-160kW NPD

Sullair's new product development oil-flooded packaged screw compressor.



Westlake, LA ASU

1,500 ton/day gaseous oxygen generator supporting Lotte Chemical and Sasol in Westlake, LA.



Seguin, TX ASU

300 ton/day gaseous oxygen generator supporting CMC Steel in Seguin, TX.



Vernon, CA ASU

350 ton/day gaseous oxygen and liquid nitrogen generator.



Wuwei, China T-3000

Design and construction of a 3,000 ton/day gaseous oxygen ASU.



Chongqing, China T-2400

Relocation of 3 ASU plants totaling 2,400 ton/day gaseous oxygen.



Oji Paper PSA ASU Nantong, China

Noise mitigation of onsite pressure swing adsorption plant.



PL-5 ASU Plant Design

Mechanical engineering leader for Praxair's new 500 ton/day gaseous oxygen ASU plant design.

WORK AUTHORIZATION

United States of America

U.S. Citizen

People's Republic of China

Work Permit

📅 Valid to 2025