

# Skylar Wilcox, PMP

## PROJECTS

### Mint Wins • (ReactJS Router, Express, PostgreSQL, JWT, Cron)

[Live](#) • [GitHub](#)

Lottery ticket manager in React with custom and external APIs

- Touchless user messaging and lottery drawing alerts updated by CronJobs
- All traffic encrypted with SSL and authenticated with JWTokens
- Custom HTML emails generated for each user, queued with the Mailgun API

### Domain Hack • (ReactJS, Express, Redis)

[Live](#) • [GitHub](#)

A clever tool for finding clever domain names

- Continuously optimizes response time with dynamic timeouts and Redis caching
- Secures traffic with CSRF cookies to prevent abuse of the API by third parties

## EXPERIENCE

### Software Engineer • Ampersand • Los Gatos, CA • 2018 – Present

- Full stack developer in Typescript, React, Express, and MySQL
- Conducted UX testing around social groups; executed improvements to the data schema and frontend
- Doubled user referrals through changes to the invitation incentive system

### Area Engineer and Project Manager • ExxonMobil • Baton Rouge, LA • 2015 – 2016

- On-call 24/7 production support for world-scale polypropylene production line.  
Unit project manager, operations representative to global product team, and technical lead
- Negotiated with suppliers and competitors to stabilize the regional supply grid following catastrophic flooding in August 2016. Prevented force majeure
- Identified and executed testing to justify elimination of capital equipment, saving \$2M/yr
- Overhauled quality management system, leading to no customer complaints during tenure.  
Enabled the business team to repeatedly raise prices

### Site Engineer and Project Coordinator • ExxonMobil • Baton Rouge, LA • 2013 – 2015

- Formed a cross-functional team to stabilize the site's electrical infrastructure, saving \$3M/yr in shutdowns
- Managed 8 projects to provide triply redundant protection against environmental incidents
- Led bid reviews and requisitions for upgrades to the flare system, increasing system reliability 94%.  
Managed contractor work while keeping the entire system online

## EDUCATION / CERTIFICATIONS

### Project Management Professional (PMP)

- Over 4,500 hours of project management experience

The University of Pittsburgh • BS Chemical Engineering

## SKILLS

Python   Node.js   Typescript   React   Express   Redis   SQL   Flutter + Dart