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**PORTFOLIO:** [skywox.me](https://skywox.me) • **GITHUB:** [skywox](https://github.com/skywox) • **LINKEDIN:** [skylarwilcox](https://www.linkedin.com/in/skylarwilcox)

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# Skylar Wilcox

## PROJECTS

**Mint Wins** • Lottery ticket manager in React with custom and external APIs [Live](#) • [GitHub](#)

- Instantly reauthenticates users through token-based middleware
- Promise queueing of user messaging. Custom HTML emails generated for each user
- Touchless user messaging and lottery drawing updates managed by CronJobs
- Minimizes tech debt for adding new lotteries with REST APIs and React components

**Domain Hack** • A clever tool for finding clever domain names [Live](#) • [GitHub](#)

- Continuously optimizes response time with throttling and timeouts on API requests
- Uses CSRF cookies to prevent abuse of the custom API by third parties
- Maximizes referral bounty by picking referral partners and generating links in real-time
- Increases user utility by sorting results with a custom fuzzy logic algorithm

## EXPERIENCE

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

- Developed GUI for quality system to drive operator ownership. Resulted in no customer complaints during tenure, allowing business to repeatedly raise prices
- Managed 16 projects worth over \$25M. Led diverse engineering teams through execution

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

- Implemented real-time energy efficiency metrics for operators in a lightweight GUI client. Stewarded performance to VP-level management.
- Introduced operations monitoring software on the site's Distributed System Architecture. Group lead for junior engineers commissioning the platform

## EDUCATION / CERTIFICATIONS

**Project Management Professional (PMP)**

- Over 4,500 hours of project management experience
- Extensive training, testing, and certification by the Project Management Institute

**The University of Pittsburgh** • BS Chemical Engineering • 2009-2013

## SKILLS

[React Router](#) [JavaScript](#) [PostgreSQL](#) [HTML5](#) [RESTful APIs](#) [Basic](#) [CSS](#) [Git](#)