

ANDREW J. KERR

813.699.0653
ME@ANDREWJKERR.COM

WWW.ANDREWJKERR.COM
GITHUB.COM/ANDREWJKERR

OBJECTIVE To obtain a full-stack web or security engineering full-time position starting summer 2016.

SKILLS **Programming:** Ruby, Ruby on Rails, PHP, HTML/CSS, JavaScript, Backbone.js, x86 Assembly
Tools: Heroku, AWS, Docker, Redis, Postgres, Coffeescript, Sass, Middleman, Version Control Systems

EXPERIENCE **QUOTTLY** *Gainesville, FL*
Lead Web Engineer *10/2015 – Present*

- Wrote a developer playbook to create and standardize best practices in the product cycle
- Designed and implemented a payment system using Stripe for student enrollments
- Trained new Quottly developers in Ruby and Ruby on Rails

TUMBLR *New York, NY*
Security Engineering Intern *05/2015 – 08/2015*

- Designed and implemented a permissions system for the Tumblr API
- Developed a system to text TFA users a One Time Password when logging in via xAuth
- Refactored an internal system in order to set a strict Content-Security-Policy header
- Improved the refreshing of ephemeral form keys on the Dashboard
- Audited various features on web and mobile for vulnerabilities including XSS and auth bypasses
- Assisted in vulnerability management with either internally or externally reported bugs

BLOCKSCORE *Mountain View, CA*
Software Engineering Intern *01/2015 – 05/2015*

- Migrated multiple Ruby on Rails apps from Heroku to various AWS services using Docker
- Designed and implemented a continuous government watchlist scanning system
- Implemented a two factor authorization using time based one time passwords
- Created the official open-sourced blockscore-php client library
- Improved data quality and efficiency for 10+ government watch list parsers

LEADERSHIP **STUDENT INFORMATION SECURITY TEAM** *03/2013 – Present*
Secretary

- Created presentations, whitepapers, and challenges revolved around web appsec and networking
- Participated in various Capture the Flag competitions with team Kernel Sanders

PROJECTS **HACKATHON MENTOR REQUEST SLACKBOT** *01/2015 – Present*
<https://github.com/andrewjkerr/hackathon-mentor-request-slackbot>

- Created a Slackbot to assist in assigning mentors to those hackers who request a mentor
- Deployed the Slackbot at SwampHacks 2016 which supported 25+ requests with 15+ mentors

TWITTER AUTOREFRESH *08/2014 – Present*
www.github.com/andrewjkerr/twitter-refresh

- Published a Chrome Extension to automatically refresh the Twitter timeline on new tweets and provided the ability to easily turn the auto-refresh off

BLOCKSCORE SWIPE *08/2014 – 01/2015*
enigmatic-shelf-1004.herokuapp.com

- Managed a team of 5 others to build a Ruby on Rails app for easy physical verification of driver licenses to aid businesses in determining fake IDs and risky customers
- Facilitated communication between the team and the customer to consistently integrate feedback from a remote customer

EDUCATION **BACHELOR OF SCIENCE, COMPUTER ENGINEERING (SOFTWARE)** *05/2016*
University of Florida, Gainesville, FL

GPA: 3.60

Relevant Coursework:

- Malware Reverse Engineering
- Enterprise Defense
- Ethical Hacking and Penetration Testing
- UX Design

