ANDREW   J.   KERR

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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
Secretary   *03/2013 – Present*
- 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
https://github.com/andrewjkerr/hackathon-mentor-request-slackbot   *01/2015 – Present*
- 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
www.github.com/andrewjkerr/twitter-refresh   *08/2014 – Present*
- 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
enigmatic-shelf-1004.herokuapp.com   *08/2014 – 01/2015*
- 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