

ANDREW J. KERR

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OBJECTIVE To write good code for good money.

EDUCATION BACHELOR OF SCIENCE, COMPUTER ENGINEERING (SOFTWARE) 05/2016

University of Florida, Gainesville, FL

GPA: 3.64

Relevant Coursework:

- Data Structures and Algorithms
- Malware Reverse Engineering
- Ethical Hacking and Penetration Testing
- Databases
- Enterprise Defense
- UX Design

SKILLS Programming: Ruby, Ruby on Rails, PHP, HTML/CSS, JavaScript, C#, Java, SQL, x86 Assembly
Tools: AWS, Docker, Redis, Postgres, Coffeescript, Sass, Middleman, Version Control Systems
Interests in UNIX system administration, information security, reverse engineering, and UX design

EXPERIENCE TUMBLR *New York, NY*

Security Engineering Intern

05/2015 – 08/2015

- Designed and implemented the API permissions system
- Developed a system to text TFA users a One Time Password when logging in via xAuth
- Implemented a strict Content-Security-Policy on an internal system
- 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 production/staging infrastructure from Heroku to various AWS services with Docker
- Designed and implemented a continuous watchlist scanning system
- Implemented a two factor authorization using time based one time passwords
- Created the official open-sourced blockscore-php client library
- Developed a No CAPTCHA rate limiting system for logins
- Improved data quality and efficiency for 10+ government watch list parsers

HARRIS CORPORATION

Palm Bay, FL

GCSD Software Engineering Intern

05/2014 – 08/2014

- Developed enhancements and new features for a Windows application using C# and WPF
- Re-designed and updated an internal website using Bootstrap, PHP, and MySQL

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 SECURITY CHEATSHEETS

www.github.com/andrewjkerr/security-cheatsheets

11/2013 – Present

- Worked with a team of 3 others to create 30+ 'cheatsheets' for popular security tools and topics

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

TWITTER AUTOREFRESH

www.github.com/andrewjkerr/twitter-refresh

08/2014 – Present

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