Alexander Tsankov

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Keywords: SDN, Bro, IDS, Big Data, Automation, Scripting, Network Tools

Objective

To blend my love of computers with my passion for the humanities – all while playing with as many new technologies as possible in the process.

University of Colorado Boulder - Junior, Graduating in May 2016 – GPA 3.46

- Computer Science Major w/ Focus on Networking, Engineering Department
- Philosophy Major, School of Arts and Sciences

Professional Experience

- **Lab Assistant for Prof. Eric Keller** 2014 - Present. Currently working with Prof. Keller on the "yanc" network controller and SDN technology, specifically integration with BRO IDS.
- **Intern, ioSemantics** Summer 2014. Worked on project to integrate AI language parser with custom IDE designed using Java in the Eclipse RCP framework. Focused on GUI design and programming, data visualization, script automation, SWT graphics, and code documentation in an agile start-up environment.
- **Student Assistant, OIT Network Security** 2013 - Present. Working to secure campus network and infrastructure. This includes working with *nix servers and work stations, Juniper firewalls, Cisco security appliances, and intrusion detection systems.
- **Assistant System Administrator, CU Boulder ITL Laboratory,** 2012 - 2013: Managing a diverse set of lab tools in an advanced client-server environment. Includes experience with Symantec management suite, Windows server management, Active Directory, building images/ghosting, cabling, customer support, and lab documentation.
- **Intern, U.S. Senator Michael Bennet,** Summer 2011: In support of constituency, worked with staff on case work, interfaced with the community, including non-profits and other state and federal government agencies. Assisted in official event management.

Professional Certifications and Training

- Cisco Certified Network Associate (CCNA) - Inactive
- CompTIA Network Plus Certification (Network+)

Technical Experience

- Proficiency in C++/C, Java, Bash, Python, BroScript,Javascript, LaTeX
- *nix servers: Debian-based (Ubuntu), RHEL
- Bro Intrusion Detection System
- Cisco IOS devices: Routers and Switches
- Web Frameworks: Node Express, Ruby on Rails, Python Flask
- Eclipse RCP plugin framework
- Tableau, Javascript D3, Splunk and other big data visualization platforms.
- Database systems, relational (MySql) and NoSql (MongoDB)

Honors and Achievements

- Engineering Dean's List – 2012
- Inducted into Tau Beta Pi Engineering National Honor Society
- Engineering Projects Class – "Best in Section" Award Winner
- Certified Guinness "Perfect Pint Pourer" - Guinness Brewery, Dublin