Matthew J Hruz
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Education
B.S. in Computer Science, University of Tulsa, Expected Graduation Date: May 2016
Minor in Mathematics
Cumulative GPA 3.14

Technical Skills
- **Programming Languages:** Python, Java, Javascript, Bash Script, C/C++, SQL
- **Software and Technologies:** Server Virtualization, including VMWare and ESXi technologies, Linux, Bash, Git, Vim, Node.js runtime, Postgresql, multiple Kali Linux tools

Competitions and Extracurricular Activities
- **Competitive Programming:** Competed in the International Collegiate Programming Competition (ICPC) with a team of two other people and won second place in the preliminary scripting competition.
- **CCDC:** Competed in the 2015 Southwest Collegiate Cyber Defense Competition. Worked to secure Windows machines and broke into a Proxmox virtualization server without a password so it could be used during the competition. Finished in second place.
- **Capture The Flag:** Participating in the inaugural season of The University of Tulsa's CTF (security challenge competition) team. Already participated in the DefCon qualification round, PoliCTF, STEM CTF, and the CSAW qualifiers with plans to compete in more.
- **Leadership:** Served as the chapter President of the Special Interest Group for Computer Graphics (SIGGRAPH) at the University of Tulsa (Fall 2014 - Spring 2015). Formerly served as the founding Vice-President (Spring 2014).
- **Hackathons:** Participated in the 2014 Heartland Gaming Expo and the Fall 2013 ACM hackathon at the University of Tulsa. The 2-Dimensional game for the Gaming Expo was awarded "Best Graphics"

Work Experience
Software Engineering Intern: ABB Totalflow   **June 2015 - Present**
Bartlesville, OK
- Working with the Software R&D team to create the next generation of *Totalflow* flow computers for the Upstream Oil and Gas Industry.
- Identified potential security risks as *Totalflow* prepares for the security risks associated with the internet-of-things.
- Provided feedback on planned security features to be implemented in next-generation products.
- Generated needed documentation on the current security design to the developers.
- Clarified relevant security concepts to the development team.

Researcher: Institute for Bioinformatics and Computational Biology   **June 2014 - May 2015**
The University of Tulsa
- Envisioned, designed, and currently developing a web and mobile application for the Laureate Institute for Brain Research's study on Bipolar Disorder
- Collaborated with a team of two other developers to create a working web and mobile application with Phonegap
- Designed and implemented back-end services, written in Node.js using the Passport, Express, and pg node modules, with PostgreSQL as the back-end database