

STEPHEN LESTER

Software and Information Security Engineer

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EXPERIENCE

Systems Engineer

Art of Problem Solving

March 2015 – Now

San Diego, California

- Constructed the backend architecture for both the online bookstore and the interactive trainer for Beast Academy Online, a platform for elementary- and middle-school math education.
- Designed the server and database system architecture for Beast Academy in order to ensure compliance with PCI, FERPA, COPPA, and SOPIPA regulations.
- Developed the MATHCOUNTS Trainer, a popular web and iOS application for math competition training with over 4 million problems solved.
- Audited and hardened security for our public-facing servers and monitored them for malicious activity, including abusive forum registration via VPN and XSS/SQL injection attempts.
- Maintained and updated legacy yet mission-critical code for AoPS.com, the company's main profit driver.
- Established company-wide digital security policy, including mandatory two-factor authentication and anti-phishing education.

Backend Web Developer

FIVE Creative Lab

March 2014 – February 2015

Montréal, Québec

- Developed brand-elevating contest websites which handled large numbers of simultaneous users, focusing on high availability and great user experience.
- Integrated frontend designs and the client's usability requirements to create responsive, REST API-driven backends.
- Provisioned and managed cloud-based, fault-tolerant server solutions for development, staging, and production environments.
- Boosted productivity at the startup by creating bespoke tools for easing intraoffice workflow pain points.

CURRENT Research Assistant

University of Tennessee, Knoxville

August 2012 – December 2013

Knoxville, Tennessee

- Displayed trends in a large electrical grid data set for a general audience using web data visualization tools.
- Developed C and C++ libraries for Markov chain data modeling of electrical components to improve reliability.

Webmaster

Remote Data Analysis and Visualization Center

May 2012 – August 2013

Knoxville, Tennessee

- Recoded the website from scratch using compliant HTML5, CSS3, PHP, and JavaScript.
- Boosted visibility by integrating social networking via the Facebook and Twitter APIs.

PROFILE

- Effective problem-solving engineer with a lifelong passion for computers, information security, and technology offering over 5 years of professional experience.
- Team player with strong interpersonal skills that are founded on kindness and mutual respect.

EDUCATION

Graduate Courses

Computer Science

University of Tennessee, Knoxville

August 2012 – December 2013

Systems Programming, Operating Systems, Discrete Structures, Algorithm Analysis and Automata, Compilers, Parallel Programming

Bachelor of Science

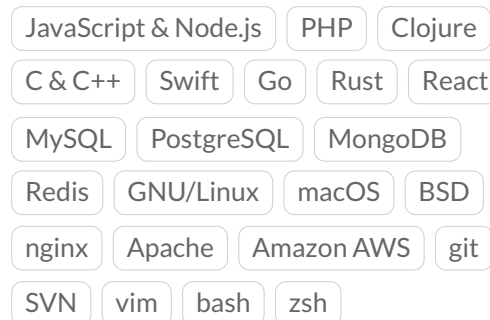
Honors Mathematics

University of Tennessee, Knoxville

August 2006 – May 2010

Summa Cum Laude

SKILLS



INTERESTS

