
JESSE GROSS

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From my earliest ambition to be a garbage man to my current interests in computers and television, there has never been a point in my life when I was not looking for something new to attempt. Despite the apparent disparity in my projects, looking back, I can see a clear trend. Whether it is working to earn my Eagle Scout Award, leading a team for a computer science class project, or directing a television show, I love working together with other enthusiastic people to achieve a challenging goal. No matter what the topic, I specialize in looking at the big picture to solve the hard problems.

Education

2004 – Present

Stanford University, Stanford, CA

- Bachelor of Science in Computer Science; anticipated in 2008.
- Minor in Slavic Languages and Literatures; anticipated in 2008.

Experience

2004 – Present

President, Stanford Cardinal Broadcasting Network

(Equipment Manager 2005 – 2006; President 2006 – present)

- Spearheaded projects to clean up and modernize the television station
- Secured thousands of dollars of additional funding and donations
- Directed shows and live event coverage, managing crews of up to 50

2007 Summer/Fall

Producer, PlayCafe

- Online gameshow network combining interactive games and streaming video
- Directed video production, including assembling a studio, designing a client-side video player, managing the crew, and developing new show formats

2007 Summer

Security Consultant, moka5

- Virtualization product to enable centralized management of client computers
- Evaluated the existing architecture and designed for future enhancements
- Redesigned core engine to increase performance, security, and modularity

2005 Summer

Live Event Video Processing Software

- Independent project as a result of a need seen at Stanford television station
- Developed software to synchronize and process multiple live video streams

2003, 2004 Summers

Software Engineering Intern, Intellego Solutions

- Web-based data warehousing and reporting application for enterprise data
- Major improvements to the SQL query generation and data parsing engine

Research

Jesse Gross, Niels Provos, and Dan Boneh. OS Agnostic Detection of Keyloggers. *In submission.*

Specific Skills

- Programming languages: C/C++; Java; x86 assembly; SQL; Visual Basic; HTML; JavaScript
- Technologies: security; systems programming; virtualization; databases; video processing
- Proficient speaker of Russian; studied in Moscow in Fall 2006