

Jake Drahos

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OBJECTIVE

Combine experience in systems administration and programming to establish a career in penetration testing.

EXPERIENCE

Research Assistant

Spring 2014 - Current

Internet Scale Event And Attack Generation Environment

Ames, IA

- Information security research
- Design and testing of intentionally vulnerable machines
- Administration of a complex virtualization cluster
- Management of complex competition network infrastructure

Software Engineering Intern

Summer 2014

Honeywell Intl. - Minneapolis, MN

- Debugging of an embedded network stack
- Embedded software development targeting ARM
- Enterprise development practices

Web Chair, Information Security Student Group

Fall 2014-Current

Iowa State University - Ames, IA

- Regular speaker and demonstrator
- Administration of student organization web resources

Command and Data Handling Subsystem Lead, CySat

Fall 2013-Current

Iowa State University - Ames, IA

- Development of a spaceworthy system
- Radio-serial communication protocol design and implementation
- Low-level hardware interface programming

SKILLS AND ACTIVITIES

Cyber Defense Competitions

- Competitor, Fall 2013
- Administration, Spring and Fall 2014

Very advanced GNU/Linux skills

Programming Languages: C, Ruby, Python, C++, Bash, Java

Defcon 21 and 22

EDUCATION

IOWA STATE UNIVERSITY, Ames, IA

Computer Engineering, Second year undergraduate

HOBBIES

Hardware hacking, lockpicking, flying, rocketry