

# Jay Hankins

Hi, I'm Jay, a problem solver with a passion for technology. I taught CS 190: Tools, a required course for all CS freshmen at Purdue. I like developing software to make our lives better.

## EDUCATION

**Purdue University** — B.S. Computer Science, Minor in Business Management  
West Lafayette, IN - Expected May 2018

## EXPERIENCE

**Salesforce.com, Inc.** — Site Reliability Engineer Intern  
San Francisco, CA – May 2017 - Present

Architect for site reliability machine learning framework. Developed Python applications to collect data from different sources and store events modeled for analysis using PredictionIO. Developed solution for anyone to begin work on machine learning with emphasis on data inputs and outputs.

**Purdue University** — Undergraduate Lecturer  
West Lafayette, IN – August 2016 - December 2016

Led a team of 22 TAs and 4 partner lecturers to teach UNIX-like terminal commands to 500 CS freshmen. Created lectures, labs, and quizzes over Git, GitHub, terminal commands, and vim.

**Cisco Systems, Inc.** — Security Solutions Engineer Intern  
Research Triangle Park, NC – October 2015 - May 2016

Architect for cybersecurity analysis VDI project. Addressed customer data privacy concerns by using VDI infrastructure to ensure data did not travel outside of customer networks, allowing expansion of Cisco ATA Service into the European Union. Configured self-hosted and cloud instances of JIRA Software.

**Cisco Systems, Inc.** — Security Analyst Intern  
Research Triangle Park, NC – May 2015 - October 2015

Analyzed cybersecurity incidents on customer networks. Applied knowledge of internet packet streams and file header patterns to dissect malware and exploit C2 communication. Used Cisco Sourcefire, Wireshark, and Blue Coat Solera PCAP.

**RSA Security, LLC.** — Cyber Fraud Analyst  
West Lafayette, IN – October 2014 - May 2015

Analyzed cybercrimes including phishing, malware, and email attacks using knowledge of Internet infrastructure (DNS, hosting, WHOIS). Enacted reactive measures to combat cybercrimes.

## PROJECTS

**Cybersecurity Analysis VDI** — Cloud Virtual Desktop for Cybersecurity Incident Analysis  
Cisco Systems, Inc. – Summer 2016

Custom VDI solution built using KVM, libvirt, and associated software, running CentOS 7 on Cisco UCS hardware. The VDIs are completely volatile and use a tmpfs RAM-disk to ensure customer data protection. Developed MEAN-stack front- and back-ends to manage VDI instances.

**Sadbot** — Facebook Messenger Chat Bot  
Purdue CS Students – Summer 2016

Contributed to a chat bot for Facebook Messenger group chats. Developed multiple JavaScript modules utilizing a variety of internal Node.js and external web APIs.

**JSH** — UNIX Shell  
CS 252 Systems Programming – Spring 2016

Implemented an interactive UNIX shell in C and C++ built with yacc and lex.

## INVOLVEMENT

**Computer Science Undergraduate Student Board** — President  
Purdue University – May 2014 – Present

Aiding in the advancement of Purdue's CS department by connecting Computer Science students, faculty, and corporate partners. Helped lead a program in Spring '16 to teach basic web development skills to 25 students.

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## SKILLS

Java, C/C++, HTML, CSS, SQL,  
Git, Python

Ubuntu, CentOS, KVM, VMware,  
Docker, Puppet, NGINX

Cisco platforms: IOS, UCS,  
Sourcefire

Familiar with Node.js, AngularJS,  
React, JavaScript, TypeScript

## ACHIEVEMENTS

### Trustees Scholarship

Awarded to 100 total incoming in-state Purdue freshmen who demonstrate high academic achievement, leadership, and service in the community.

### Cisco Certified Networking Associate

CCNA R&S, exam 200-120.  
August 2015.  
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## RELEVANT COURSEWORK

- Computer Architecture
- Cryptography
- Data Structures and Algorithms
- Information Systems
- Networks
- Object-Oriented Programming
- Programming in C
- Security
- Software Engineering
- Software Testing
- Systems Programming