

Robert Casey Lafferty

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Education

Kansas State University, Manhattan, KS
Bachelor of Science in Computer Science
Music Minor

May 2017
CS GPA: 3.26

Computer Skills

Languages	Java	C#	C/C++	MySQL/PostgreSQL
Developer Tools	Visual Studio	Unity	PyCharm	Android Studio
Network/Security Tools	Wireshark	Metasploit	Social Engineer Toolkit	theHarvester

Relevant Coursework

CIS 490 – Introduction to Cyber Security

- Explored a wide variety of network protocols, security exploits and defense techniques
- Learned about various tools used for penetration testing and network monitoring

CIS 520 – Operating Systems

- Explored distributed systems, memory management, concurrency, and runtime optimization
- Implemented these concepts using the Pintos operating system

CIS 585 – Game Engine Design

- Worked as a team to develop a full game engine and video game from scratch in C++
- Presented our final product to public audience at K-State Open House

Professional Work Experience

Undergraduate Teaching Assistant – Intro to Computer Science

Fall 2015 – Spring 2017

Kansas State University, Manhattan, KS

- Taught students a broad spectrum of Computer Science topics
- Coordinated with others to help improve the students' learning experience

Undergraduate Teaching Assistant – Fundamentals of Programming

Fall 2014 – Fall 2015

Kansas State University, Manhattan, KS

- Taught students basic Java skills and data structures
- Tutored students one-on-one in a lab setting of over 30 students

Test Operator

Summer 2015

Elecsys Inc., Olathe, KS

- Ensured products were of expected quality before shipping
- Resolved product issues quickly to ensure minimal loss of profit
- Collaborated closely with other departments to ensure smooth execution

Honors & Activities

Participant in KSU ACM Programming Contest (out of 45+ teams)

2013 – 2017

- 4th Place (Spring 2015)
- 5th Place (Fall 2014)

Member of K-State Association for Computing Machinery (ACM)

2013 – 2017

National Society for Collegiate Scholars

2013 – 2017

Regional Programming Contest – Top Third

Fall 2014, Fall 2016

1st Place Overall – KSU Game Jam Competition (“CryoCrypt”)

Spring 2015

- Designed a fully working game with 3 other teammates in under 48 hours
- First place team in Best Story, Best Art, and Best Overall

1st Place Freshman/Sophomore CIS Open House Display

Spring 2014

Eagle Scout

September 2012