**Robert Casey Lafferty**

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**Education**

**Kansas State University**, Manhattan, KS Expected: May 2017

Bachelor of Science in Computer Science CS GPA: 3.32

Music Minor

**Computer Skills**

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| **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 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 – Present

Kansas State University, Manhattan, KS

* Teach students a broad spectrum of Computer Science topics
* Coordinate 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
* Troubleshoot 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 – Present

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

Member of K-State Association for Computing Machinery (ACM) 2013 – Present

National Society for Collegiate Scholars 2013 – Present

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