

Ronald Keating

Senior Computer Science Major
University of Idaho
GPA 3.56

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SOME CLASS EXPERIENCE

Intro Computer Science Courses

Several CS courses, including basic programming, data structures, various programming languages and types, operating systems, system software, and system engineering.

CS336 - Introduction to Information Assurance

Understanding system attacks, types of encryption, and basic system security. Class also involved a lab, where we used buffer overflow, shellshock, SQL injection, string overflow, and race condition attacks to show the threats against a vulnerable system.

CS438 - Network Security

Learned about OSI models, packet sniffing, more in depth information about each layer and protocols that belong in the layers. Used tools such as GNS3 and various VMs.

CS439 - Applied Security Concepts

Took CompTIA PenTest+ course, understanding topics and principles of penetration testing, including documents, scope, types of attack vectors, etc.

CS445 - Compilers

Understanding how compilers work and implementation of my own compiler for a subset language of C called C-. Further understanding of data structures, type casting, parsing, and compiling. Source code is on my GitHub page.

CS447 - Digital Forensics (Deadbox Analysis)

Hard drive analysis using various Linux command line tools. Learned and implemented topics such as file carving, timelining, and registry ripping.

EDUCATION

Post Falls High School

Graduated from Post Falls High School in June 2017 with a 3.9 unweighted GPA.

University of Idaho

Graduating May 2021 with a BS in Computer Science.

OTHER INFORMATION

Certificates and Minor Cybersecurity

Undergraduate Academic Certificate, uCertify CompTIA PenTest+ Completion, & Mathematics Minor.

Operating Systems Advanced with MacOS and Linux. Frequent use of Windows for software tools and system hardening.

Extra Curricular Activity Involved in the Baseball Club and Cyber Defense Club at the University of Idaho.

Projects Developed an Enigma simulation program, an advanced shell program, and a subset of C language compiler. Currently working on a microcontroller LoRa mesh network for Capstone Design course.

LANGUAGES

Advanced in C/C++ and have worked with Assembly, Python, shell scripting, and C# along with Unity.

OTHER WORK EXPERIENCE

The Golf Club at Black Rock -
Summer 2018, Contact:
(208) 676-8999

Contract Design Associates -
June 2016- January 2020, Contact:
(509) 624-4220