

Joel J. Holsteen

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<https://github.com/Grindlemire>

EDUCATION

Grandview High School, Aurora, CO

Cumulative GPA: 4.75/4.00
Class rank: 1 of 644

University of Illinois at Urbana-Champaign

Computer Science Engineering – Graduating May, 2015

Cumulative GPA 3.57/4.00

AWARDS

Valedictorian
National AP Scholar

College of Engineering Dean's List
James Scholar

WORK EXPERIENCES

Cherry Creek Presbyterian Church – Facilities Assistant

June 2012 – August 2013

-Reorganized the supply of the church as well as worked to update the grounds with new materials.

Logrhythm Incorporated - Software Development Intern

May 2014 – August 2014

-Developed Real Time File Integrity Monitoring for Linux machines and updated the build process to implement autotools.

SKILLS

Programming languages

-Proficient in C++, C, Python, SQL, and Java. I also have experience in bash scripts, Linux programming, and autotool generation.

Software Development

-Familiar with the Agile Scrum Software development method as well as programming design such as refactoring principles and code optimization.

PROJECTS AND ACTIVITIES

Attendance Python Application

-I wrote a python attendance application with a GUI that implemented tkinter. It included an interactive calendar and user friendly manipulation of a json database.

Java Chess Game

-From the ground up I designed the library, game logic, and MVC of a chess game while making good use of OOP concepts such as encapsulation and inheritance.

Realistic Interactive Graphics

-I designed and created from a list of vertices a hyper realistic teapot that reflected lighting in real time. This included implementation of surface and vertex normal calculation, lighting models, texture mapping, reflection mapping, and real time control interfacing.