Matthew Russell

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clarvel.github.io

EDUCATION

University of Minnesota   Minneapolis, MN
B.S. Computer Science, A.I. and Robotics Track   2011-2015

University City High School   St. Louis, MO
                                                                   2007-2011

EXPERIENCE

Washington University Radiation Oncology   St. Louis, MO
Laboratory Assistant   Jun 2011-Aug 2011
Assisted with cultivation and analysis of cell cultures
Developed a potential webpage for the laboratory

University United Methodist Church   St. Louis, MO
Teacher's Assistant, Volunteer Service   Summers 2008-2013
Supervised children
Cleaned and organized supplies
Assisted with renovation and general maintenance

SKILLS

Python	C++	Java
Javascript, HTML	Matlab	Ardino Microcontroller
Microsoft Office Suite	Photoshop	Adobe Illustrator

PROJECTS

Terminal based implementation of GO
Modeling and analysis of bus route efficiency
Script to phonetically translate text to fictional languages
Modable IRC chat client
3D raytracer supporting Phong illumination, reflections, and refractions
A* and Dijkstra's algorithms implemented in 3D
Boids flocking game
Robot to follow a wall some distance away
Air Hockey playing robot