

# Matthew Russell

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[clarvel.github.io](http://clarvel.github.io)

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## EDUCATION

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### University of Minnesota

B.S. Computer Science, A.I. and Robotics Track  
2011-2015

Minneapolis, MN  
2011-2015

### University City High School

St. Louis, MO  
2007-2011

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## EXPERIENCE

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### Washington University Radiation Oncology

*Laboratory Assistant*

Assisted with cultivation and analysis of cell cultures  
Developed a potential webpage for the laboratory

St. Louis, MO  
Jun 2011-Aug 2011

### University United Methodist Church

*Teacher's Assistant, Volunteer Service*

Supervised children  
Cleaned and organized supplies  
Assisted with renovation and general maintenance

St. Louis, MO  
Summers 2008-2013

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## SKILLS

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Python  
Javascript, HTML  
Microsoft Office Suite

C++  
Matlab  
Photoshop

Java  
Ardino Microcontroller  
Adobe Illustrator

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## PROJECTS

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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