

Margaret Dorsey

med7068@rit.edu
716.435.4215
portfolio.margaretdorsey.com
github.com/Abhalphiest
linkedin.com/margaretdorsey

Education

Rochester Institute of Technology
Game Design and Development, BS
Computer Science, Minor

GPA 4.0

Computational Mathematics, BS
Japanese, Minor

Expected Graduation May 2018

Erie Community College
Associates of Science in Mathematics, 2014

Projects

Wyvern Engine, Ongoing

Designed and implemented a from scratch rendering and physics engine using C/C++, OpenGL 4, and GLFW.

Math Undergraduate Research, June - Dec 2015

Researched the application of Lie Groups of symmetry transformations to ordinary and partial differential equations, as well as variational problems.

Global Game Jam 2016

Led a team of six in the production of an infinite runner in Unity for Global Game Jam 2016 over 48 continuous hours. Handled program architecture, documentation, source control, and the majority of back end code.

Work Experience

Teaching Assistant, Rochester Institute of Technology, Spring 2016

Assisted with instruction and grading for a Web Design and Development class for Professor Sean Boyle

Blood Donor Ambassador, American Red Cross, Summer 2016 to present

Greeted and managed donors at Red Cross Blood Drives.

Herman Badillo Bilingual Academy, Buffalo Public Schools, Summer 2014

Performed clerical duties, handled payroll, and handled front end administration for a summer school program in Spanish and English.

Knowledge

Multivariable and Vector Calculus	Differential Equations
Elementary and Advanced Linear Algebra	Discrete Math and Number Theory
Real Analysis	Geometric Algebra
University Physics	Graphics Programming
Computer Architecture and Organization	Autonomous Agent Programming

Skills

C	C++	C#
HTML	CSS	JavaScript/JQuery
Unity	git	Autodesk Maya and Mudbox
Maple 2015	OpenGL 4.5	LaTeX

Awards and Achievements

Crashtest Games, 2014 - Present

Board member of student organization dedicated to the testing and analysis of student and professional analog games.

RIT Honors Program, 2015 - Present

Admitted based on GPA, faculty recommendation, and excellence in extracurricular, leadership, and community service.

William Major Byers Award Recipient, 2013

Awarded for Excellence in Mathematics.

AP Scholar with Honors, 2012

Awarded for an average above a 4 on at least four Advanced Placement exams.