SKILLS

Full-Stack Web

Development

General

Programming

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Native Android Development - practical experience

Mathematics Strong core, particularly in Graph Theory, Combinatorics, Linear Algebra, and Analysis Analytical thinking and problem solving

■ Putnam Exam Scores: 2013 - 10 (~65th percentile), 2015 - TBA

EXPERIENCE

■ MetabolismFun An online, turn-based educational game forcing the player to learn metabolic pathways in an Full-Stack Web and a flat, smooth appearance. Engineering July 2013 - Jan 2015

engaging, interactive way to maximize their score. Features customizable settings, saved games,

Worked with Dr. Neocles Leontis at BGSU to develop the website to teach cellular metabolism in his classes and beyond. I was responsible for programming, design, and deployment.

Agile Oasis **Technologies** Intern; Web Development

Summer 2013, 2015

Summer 2015: Developed social network site Project Qi under the supervision of Nick Pfundstein. In addition to standard features (profile, friends, groups, pictures, status feed, etc.) the site aimed to connect users to non-profit organizations depending on the activity of their followers. I did backend programming in Yii2 and frontend with Compass, Bootstrap, and ¡Query as well as working closely with the client to create the experience he had in mind.

Summer 2013: Worked on a variety of projects, generally designing and building the frontend for contracted websites.

Personal Robotics Intern; Android Designed an Android application for in-house use on a humanoid robot that simplified normally difficult tasks such as adjusting motor position, displaying sensor output, or sending a direct command.

■ Game of Life Independent Project 2009 - 2013

Development

Summer 2012

A simulation of Conway's Game of Life, developed in Java.

A tool as much as a game, the program allows users to work on an infinite grid, place predifined patterns, and watch cells evolve, with a powerful engine for fast simulation.

EDUCATION

■ Carnegie Mellon University Sophomore in the Mellon College of Science, majoring in Mathematics with a minor or double major in Computer Science

Math Undergraduate 2013 - Current

Cumulative GPA (as of Jan. 2016): 3.0

Bowling Green State University Math and Computer Science classes taken during high school, including senior-level Probability/Statistics and master's level Analysis

Supplementary Classes 2009 - 2013

Cumulative GPA: 4.0

■ Saint John's Jesuit High School 2009 - 2013 Graduated in 2013 as Valedictorian

Cumulative GPA: 4.8 on a 4-point scale

