SKILLS

High School

2009 - 2013

Cumulative GPA: 4.8 on a 4-point scale

DOMINIC ZIRBEL dominiczirbel@gmail.com HTML (Jade), CSS (Compass, LESS), ¡Query Full-Stack Web 412 204 7462 Development node.js, PHP (Yii/Yii2, Zend) Now SQL (MySQL), NoSQL (MongoDB) 2016 Interest and real-world experience in Interface Design ${\hbox{\it C/C++}, Python, Java-solid foundation in the feel, style, and uses of these and similar languages}$ General Programming Linux - day-to-day use and comfort with top-level components (command line, scripting) Git - extensive use for many years Native Android Development - practical experience Mathematics Strong core, particularly in Graph Theory, Combinatorics, Linear Algebra, and Analysis 2015 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 2014 engaging, interactive way to maximize their score. Features customizable settings, saved games, Full-Stack Web and a flat, smooth appearance. Engineering July 2013 - Jan 2015 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 Summer 2015: Developed social network site Project Qi. In addition to standard features (profile, friends, groups, pictures, status feed, etc.) the site aimed to connect users to non-profit **Technologies** organizations depending on the activity of their followers. I did backend programming in Yii2, Intern; Web Development frontend with Compass, Bootstrap, and jQuery, and worked closely with the client to create the 2013 Summer 2013, 2015 experience he had in mind. Summer 2013: Worked on a variety of projects, generally designing and building the frontend for contracted websites. Personal Robotics 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 Intern; Android Development command. Summer 2012 2012 -■ Game of Life $\label{lem:convay} A simulation of Conway's Game of Life developed in Java, with emphasis on a smooth and$ intuitive interface. Independent Project 2009 - 2013 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** 2011 Carnegie Mellon Sophomore in the Mellon College of Science, majoring in Mathematics with a minor or double major in Computer Science University Cumulative GPA (as of Jan 2016): 3.0 Math Undergraduate 2013 - Current Bowling Green Math and Computer Science classes taken during high school, including senior-level Probability/Statistics and master's level Analysis State University Supplementary Classes Cumulative GPA: 4.0 2010 2009 - 2013 ■ Saint John's Jesuit Graduated in 2013 as Valedictorian