TAEHYUN LEE

1B, Honours
Mathematics
20665761

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SUMMARY OF QUALIFICATIONS

- Experienced in Java, C, HTML, CSS, Swift, JavaScript, PHP, MySQL, and Racket (Educational Scheme) through relevant projects and education
- Strong fundamental knowledge of ADTs through education
- Excellent communication and project management skills demonstrated in the ability to create Factor + under the appropriate software development lifecycle
- Solid problem solving skills developed through solving proofs in mathematics courses

PROJECTS

Factor +, Educational Mathematics Game for 4-inch IOS devices

- Developed the application using Swift in the XCode environment, for a school project intended to aid students' factoring abilities
- Demonstrated product management and communication skills through taking the position as the team product manager in order to follow the iterative development model imposed on the project
- The application won $500 in AppJam for the educational category upon submission

Orbit, Data Library that Stores and Returns User Inputs

- Integrated PHP, SQL, and JavaScript DOM to create a website where user inputs through HTML form element is later displayed according to the request of the user
- Illustrated the ability to balance the use of different programming languages to implement desired functionalities to the website

Editable Map of a Mock-up Mall

- Integrated Java GUI to display the map of a mock-up mall to aid user experience in navigating
- Implemented I/O within GUI of the map to allow administrators to alter shop information without the need to alter source code
- Utilized understanding of modularization in order to enhance readability and maintainability of the code

EDUCATION

Candidate for Bachelor of Mathematics

Co-op, University of Waterloo, Waterloo, ON — Sep. 2016 - Present

Relevant Courses and Achievements

- Completed Designing Functional Programs, Calculus 1 for Honours Mathematics, and Algebra for Honours Mathematics
- Enrolled in Elementary Algorithm Design and Data Abstraction, Calculus 2 for Honours Mathematics, and Linear Algebra 1 for Honours Mathematics
- Maintaining an average GPA of 3.94/4.0, with core-course average GPA of 4.0/4.0
- Awarded Term Dean's Honours List for 1A

EXPERIENCE

Booth Center Volunteer

Red Cross, Ottawa, ON — Aug. 2014 - Feb. 2015

Accomplishments

- Improved the efficiency of kitchen preparations by actively seeking for unfinished work to complete, in order to complete all necessary activities before the open time
- Ensured cleanliness of the environment and meals through cleanup procedures, following through with all the rules imposed in the kitchen without fail