

BumJung “Paul” Kim

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COMPUTER SKILLS	<i>Proficient:</i> Java, C, C++ <i>Familiar:</i> Bash Shell, HTML, CSS, Python	
EDUCATION	University of Waterloo <i>Candidate for Bachelor of Software Engineering</i> <ul style="list-style-type: none">– Programming Principles (C)– Data Abstraction and Implementation (Unix, C++)– Methods of Software Engineering(Python)– Digital Circuits (VHDL) Thornhill Secondary School <i>Onatrio Secondary School Diploma</i> <ul style="list-style-type: none">– Computer Science (Java)	2012-2017 2008-2012
PROJECTS	<i>Tower Defense</i> (Java) <ul style="list-style-type: none">• Used Object-Oriented Programming methodology to design a single-player tower defense game• Implemented board structure and path finding algorithm for enemy AI <i>Goldminer Game</i> (Java) <ul style="list-style-type: none">• Coded a program with focus on Object-Oriented design principles• Utilised mathematical models for player movement and collision detection• Used graphics library to animate 2D objects <i>Othello</i> (Java) <ul style="list-style-type: none">• Developed a multiplayer, mouse-input based game• Employed rigorous regression testing model throughout programming <i>E-Waste Information Website</i> (HTML) <ul style="list-style-type: none">• Designed the layout and structure of an educational website• Created and implemented website design specification with HTML and CSS	2012 2011 2011 2011
EXTRA-CURRICULAR ACTIVITIES	<i>Member</i> , Programming and Mathematics Club <ul style="list-style-type: none">• Developed a curriculum to teach younger students an introductory course (Java)• Tutored students in Algebra and Calculus <i>Patrol Leader</i> , FNE Explorers <ul style="list-style-type: none">• Organized extensive weekly meetings and fundraising events for FNE movement• Demonstrated leadership and responsibility guiding large groups <i>Vice President</i> , Altar Server, St. Andrew Kim Church <i>Senator</i> , Board of Student Senators, Thornhill Secondary School	2011-2012 2008-2011 2011-2012 2010-2011
AWARDS	President’s Scholarship, University of Waterloo Honor Roll, Thornhill Secondary School Excellence in AP Mathematics, Thornhill Secondary School Excellence in Computer Science, Thornhill Secondary School	2012 2009-2012 2011 2011
INTERESTS	Camping, swimming, kendo, canoeing	