

Mr. Jemmin Chang

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EDUCATION	Carnegie Mellon University , Pittsburgh, PA B.S. in Computer Science and Linguistics <i>Minor</i> : Language Technologies	GPA: 3.88 expected May 2017
PROJECTS	Lettercrush : The world's best Letterpress AI <i>Creator and Developer</i> • Designed and implemented sophisticated AI algorithms in JavaScript • Utilized iterative deepening, alpha-beta pruning, and a ternary search trie • Implemented intelligent timeout controls to prevent JS hanging • Combined with HTML and JQuery to build an interactive GUI Mabimart : An auction site for Mabinogi items <i>Data Collection Engineer</i> • Implemented a robust Python webscraper for Mabinogi Wiki pages • Flexibly handled different page types and format inconsistencies • Utilized Requests, lxml, CSSSelect, and XPath Victor : Scrabble-playing robot <i>Research Assistant</i>	[mysite]/lettercrush/ Spring 2013—Summer 2014 Summer 2014 Carnegie Mellon University Fall 2013 • Researched strategies for a dynamic level-adjusting Scrabble AI • Investigated Scrabble dictionary data structures including trie, DAG, GADDAG • Implemented and tested several Scrabble heuristics
SKILLS	<i>Programming Languages</i> : • Java • SML • Python • JavaScript • C <i>Markup</i> : • HTML/CSS • LaTeX <i>Software/Libraries</i> : • Vim • JQuery • Git • bash <i>Operating Systems</i> : • Linux/UNIX • Windows	
EXPERIENCE	Carnegie Mellon University <i>Peer Tutor</i> Computer science, mathematics <i>Student College Instructor</i> Course 98-252: Wordplay: Fundamentals of Scrabble Strategy	since Spring 2014 Fall 2014
PERSONAL	Nat'l Eagle Scout Assoc. Cooke Scholarship IBM Thomas J. Watson Memorial Scholarship NAfME All-Eastern Honors Orchestra Eagle Scout with Bronze and Gold palms Hobbies: Viola, classical music, tennis, ping pong, Scrabble, ice cream-making	2013 2013 2013 2012

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