Jack Wang
1b Software Engineer

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Summary of Qualifications

– Proficient in C, C++, Java, experienced with Python, Lua, C#
– Self-taught HTML, Javascript, CSS
– Capable of applying proper programming practices
– Thorough understanding of Object-oriented programming principles
– Comfortable with Windows, Visual Studio, Netbeans, Sublime
– 6+ years of Microsoft Office experience, 2+ years of Open Office experience
– Quick independent learner – self-taught multiple languages and micro/macro-economics

Projects

Un-Truthful | Javascript, HTML, CSS   2015
– Web app to produce the most simplified Sum of Products for a Boolean expression
– Reads in a truth table, or a Boolean expression and converts to a min terms array to simplify

FunctionSolver | Javascript, HTML, CSS   Present
– Solves critical points of simple polynomial functions
– Calculates if points are minimums, maximums, intercepts, or points of inflection

Myro Pathfinder | PHP, Javascript, HTML, CSS, SQL, Java, Python   2014
– Path finding project for a Scribbler Robot (Introduction to Methods of Software Engineering)
– Commands for robot completed in python, controls input through a web page, or android app

MyownDJ | Javascript, HTML, CSS, Lua   2014
– Built upon previously existing DJ software and made it compatible with Myo Gesture Control Armband
– Designed UI and functions around Myo (or keyboard) functionality, while retaining mouse controls

Flight Finder | Java   2013
– 3D flight pathfinder simulator between airports

Volunteer/Extracurricular

Counselor in Training at Crescent Town Club Camp
– Attended to groups of up to 10 disadvantaged special needs children, organized activities
Collected food for **Daily Bread Food Drives**
– Collected and organized donations for yearly food drives
Clubs: Math Engineering Science Association, Investment Club, Economics Club, Computer Science Club

Education

Candidate for Bachelor of Software Engineering, University of Waterloo, Waterloo, ON   Present
– Relevant Courses: Programming Principles (C), Introduction to Data Abstraction and Implementation (C++), Introduction to Methods of Software Engineering (Python), Calculus 1 & 2 for Engineering
Ontario Secondary School Diploma, Gifted, Northern Secondary School, Toronto, ON   2014
– Relevant Course: Introduction to Computer Science (java), AP Computer Science (java; 5 on AP exam)

Awards

– University of Waterloo President's Scholarship - 2014
– AP Scholar with Honour (5s on Calculus BC, Economics Micro/Macro, Computer Science) - 2013/2014
– Top 3% Sir Isaac Newton Waterloo Physics Contest - 2014
– Top 40 in Canada (1%) American Mathematics Competition 12A (Invited to AIME) - 2014
– Placed 2nd in Math@Mac Online Competition - 2014