

Jacob Watt-Morse

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Education

Williams College, Williamstown, MA B.A Expected June 2017
Majors: Economics, Computer Science, Political Science Dean's List 6 of 7 semesters
Overall GPA: 3.62 Computer Science GPA: 3.63 Economics GPA: 3.62 Political Science GPA: 3.76
Taylor Allderdice High School, Pittsburgh, PA Graduated with High Honors June 2013
SAT: Verbal (680) Math (690) Writing (710) AP Scholar with Distinction
United States Marine Corps Scholastic Excellence Award for Academic Excellence and Leadership

Skills

Proficient in Java, Scala, C/C++, Python, UNIX and x86 assembly;
Software engineering expertise including program testing, performance analysis and iterative improvement
Experienced in data analysis with Excel, STATA and R. Strong presentation facilities: apt in Power Point/Prezi

Programing Projects

Darwin Board Game: Players submit player types that battle for supremacy

- Basic multiclass Java program that controlled gameplay and visual display

WAVE: Interpreted virtual machine that allows x86 assembly code to be run on ARM architecture machines

- Written in ARM style assembly code with supplemental programming logical arrays
- Several optimization analyses coving number and speed of instructions and memory usage

Thread Library: suite of functions embedded in an OS that enable within process concurrent programing

- Written in C++: implement mesa style, hand off locks. Wrote compressive test suite as well

External Pager: implemented OS process that handles virtual memory management for concurrent processes

Professional Experience

Summer Analyst, Lever Inc. Corporate Acquisition Project, North Adams, MA Summer 2015

- Completed rigorous economic study of Berkshire Country including SWOT and Diamond analyses
- Advised policy makers on economic development involving local business environment
- Vetted several young enterprises for potential acquisition and early venture funding

Entrepreneurial Advisor, UGAWILL Foundation, Kampala, Uganda Winter 2016

- Counseled 2 HIV positive individuals on starting a jewelry manufacturing and retail business
- Raised capital for and awarded 3 interest free loans to aspiring entrepreneurs with HIV

Staff Assistance, Senator Elizabeth Warren's Boston Office, Boston, MA Winter 2015

- Performed basic constituent services such as engaging government agencies on their behalf

AmeriCorps Member, KEYS Service Corps AmeriCorps Program, Pittsburgh, PA Summer 2014

- Created and executed STEM education and teamwork building courses in underserved neighborhood
- Consulted on education program composition based on a survey I designed, implemented and analyzed

Teaching Assistant, Williams College Economics and Computer Science Departments Spring 2016-Present

Volunteer Activities

Tax Preparer, VITA Program at Berkshire Community Action Council, North Adams MA Winter 2014
Co-President, Lehman Community Engagement, Williams College November 2013-December 2015

Athletics

Captain, Williams College Golf Team, Player 2013-2016, Captain Fall 2016-present

- Several individual victories; including 2016 Southern Amateur Qualifying, Duke Nelson Invitational
- 2015-2016 *Cleveland/Srixon Academic All-American*