

# Benjamin Ray Walker

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Profile website: <http://php-benjaminwalker.rhcloud.com/>

## Education

BYU-Idaho – Bachelor of Science in Computer Science – Graduated July 2016 – GPA 3.8  
BYU-Provo – Masters in Computer Science – Anticipated Graduation April 2018  
GRE Quantitative Reasoning score: 169/170

## Experience

PeopleSoft Developer Intern – General Motors in Detroit, MI June 2016 – present

- Experience working on large projects in a large organization
- Learning Management enhancement for both employees and their managers

Campus Computer Lab Administrator – Information Technology at BYU-Idaho Apr 2014 – Apr 2015

- Created images for Macintosh and Windows Operating systems to be deployed remotely
- Managed administrator permissions for all campus public and lab computers
- Daily Active Directory use, Altiris use, and troubleshooting

Crew Member – Jiffy Lube in Modesto, CA Oct 2013 – Dec 2015

Eagle Scout

## Skillsets

Programming/Meta-/Scripting Languages	IDEs and other tools
C++, C, Python, Swift & Metal, Java, Bash, Assembly, PHP, HTML, CSS, XML, JavaScript, Lisp, Prolog, PeopleCode, PeopleSoft, Oracle, MySQL, LaTeX, Multithreading (using Semaphores/locks, etc)	Sublime Text, Visual Studio, Xcode, Emacs, Netbeans, Eclipse, Brackets, GitHub, UNIX, UML, Technical & Functional Documentation

## Projects

Interactive Proof Systems –

- Demo using Isomorphic Graphs and Hamilton Circuits, presentation completely made with LaTeX
- Presented in the Research & Creative Works Conference (R&CW)

C++ and Java Tutor –

- Convinced friends to learn how to program and taught C++ and Java remotely

Binary Bomb –

- Stepped through assembly using gdb to discover expected input
- Used exploits in code to jump between methods

Cloth Animation –

- Collision demonstration in OpenGL with Visual Studio using C++
- Presented in the Research & Creative Works Conference (R&CW)

Stock Market Trends –

- Created method to find percentage match between any two given stocks
- Retrieved stock data & associated stock industry groups from parsing HTML, using APIs, and querying in Python

Unary, Binary, Ternary, ... , Decimal Multiplier using a 3-tape Turning Machine –

- Defined an automaton in visual directed state graphs using JFLAP
- Programmatically stepped through Turning Machine to verify accuracy with many different test cases

**The Church of Jesus Christ of Latter-day Saints Representative** Oct 2011 - Oct 2013

Talked to everyone I came across about the Savior, Jesus Christ  
Conducted more than 40 instructional and motivational meetings