

Zachary S. Jensen

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College Student with a strong work ethic and a desire to excel. Outstanding people skills and a superior communicator. Excels at completing all tasks with the highest level of effort. Strong leadership skills and ability to work efficiently both with a team and as an individual. Excellent attention to detail with a strong focus on results. Seeking an internship as a software engineer or developer. Working on BS in Computer Science with a minor in Management. Additional strengths and skills include:

- Object-oriented design
 - Code implementation under strict guidelines
 - DOORS and DXL scripting
 - Windows 7, OS X, and Linux Desktop Platforms
 - Improving and maintaining existing code
 - Developing, testing, and debugging code
 - Eclipse and NetBeans IDEs
 - LaTeX document preparation system
 - C++, C, Java, HTML, CSS, Javascript, PHP, SQL, XML and XSLT programming languages
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EDUCATION

Brigham Young University, Provo, UT

Pursuing Bachelor of Science in Computer Science (BSCS), Expected Graduation: December 2016

Major School Projects:

- **Record Indexer:** (2014) Created Java program to assist in the recording, indexing, and searching of historical records. Designing secure system for viewing images of records and uploading new information to the server. Developing interface to transmit text and image data between application and SQLite database server. (CS 240 Advanced Programming, Fall 2014)
 - **Lexical Analyzer:** (2014) C++ program that determined if a text file was a member of a language as defined by a preset grammar by parsing through input stream of tokens. (CS 236 Discrete Mathematics, Winter 2014)
 - **AVL:** (2013) Constructed a self-balancing binary search tree in C++ without using any predefined data structures. (CS 235 Data Structures, Fall 2013)
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WORK EXPERIENCE

BYU Center for Teaching and Learning, Provo, UT

August 2014 to Current

Web Developer

Working on Learning Suite, a web application with 40,000 users. Learning Suite is a learning management system used by all BYU students and faculty. Front-end developer working with PHP, HTML, CSS, JavaScript, and SQL. I previously led the team in charge of all copying functionality between courses, and am now working on developing a new feature for statistical analysis and data visualization of exam scores, to improve testing and grading procedures. Current and former projects include:

- Developing templates and javascript functions to create a visualization of student statistics for every type of exam question.
- Writing algorithms to analyze exams, and creating an interface to alert instructors and allow them to alter an exam when there are discrepancies with questions, students, or scoring.
- Implemented ability to copy materials from a specific type of course that previously had no copy functionality whatsoever. Added code ranging from new SQL queries to redesigning large sections of the user-interface.

General Atomics Aeronautical Systems, Inc., Poway, CA

June 2014 to August 2014

Software Engineering Intern

Intern II working on a team to certify the Predator-B UAV to FAA standards.

Successfully headed development of an automatic document generation framework, to change how the company managed and documented source data within the software engineering department, and eventually company wide.

- Developed DXL Scripts to automatically export requirements and traceability matrices from DOORS
 - Created XSLT stylesheets to transform XML configuration files into document-specific data and parameters
 - Designed templates for final SRD and SVD production using LaTeX document preparation system
 - Presented new tools to multiple departments throughout the company
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OTHER

Eagle Scout (2010)

Participant in ACM Team Coding Challenge at BYU (Fall 2014)

Elected Hall President of Helaman Halls Dormitory at BYU (2012 -2013)

Poway Unified School District – High School Aide (2011-2012), ESS Substitute Aide (2012-2014)