

Joshua Laesch

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Education:

Bachelors of Science in Computer Science

May 2018

Rose-Hulman Institute of Technology, Terre Haute, IN

Overall GPA: **3.72** / 4.0 (Dean's List)

Related Courses: Data Structures and Algorithm Analysis, Object-Oriented Software Development,
Web Services Development, Database Systems, Programming Language Concepts, Deep Learning

Experience:

Rockwell Collins Co-op

March - August 2016

- Modified 500 python test scripts to enable automated test events
- Learned how to work with a mentor and a small team
- Captured images of the correct display for each step in the test
- Updated the C# tool used to create the images

Math Department Grader

September 2014 - May 2015

- Retained responsibility for students' academically sensitive information
- Maintained unbiased, honest evaluation of course assignments
- Completed tasks in a timely manner

Laeschway Dairy Farm

July 2010 - July 2014

- Ensured livestock well-being through feeding and maintaining living areas
- Worked daily with farm equipment unsupervised
- Gained strong work ethic, dependability, and time management skills

Skills:

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- Languages - Java, Python, C#, C
 - Web - HTML, CSS, JavaScript (Angular.js), PHP
 - Database - SQL and MySQL
 - Version Control - SVN and Git
 - Familiar with DOORS, PREP, JIRA, Simulink, and Agile development

Projects:

Battleship - Intro to Web Programming

- Built the game battleship on the web in a team of 3
- Updated page without having to refresh using PHP and AJAX
- Interacted with database updating game status using PHP MySQL

Processor - Computer Architecture

- Implemented a 16 bit, stack based processor in a team of 4
- Constructed all of the virtual components of the processor using Verilog/Xilinx
- Transmitted I/O using FPGA board

Activities:

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- ACM (Association for Computing Machinery) competition
 - Rose Programming Team member
 - Racquetball club, member
 - Fast Track Calculus

July 2014 - August 2014