

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: Deep Learning, Data Structures and Algorithm Analysis, OO Software Development,
Android Development, Web Development, Database Systems, Programming Language Concepts

Experience:

Tesla

March - August 2017

- Currently working on the Energy Products Software team
- Created a web portal for customers to upload their load and solar data directly
- Fixed bugs and implemented improvements to existing internal web tool
- Taught myself React.js and Rails during first couple of weeks

Rockwell Collins

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

Projects:

Video Creator - Android Development

- Developed app to combine videos stored on device into one
- Authenticated users using Google auth and Firebase
- Stored video projects per user in Firebase

Emotion Recognizer - Image Recognition

- Detected a face from image using OpenCV's Haar Cascade Classifier
- Trained a CNN to detect 1 of 7 emotions from the Haar face input
- Used Tensorflow to create and train the CNN

Website - Personal

- Created my personal website in spare time from scratch: <https://laeschjs.github.io>
- Made it a single page application from what I used at Tesla: React.js
- Scoured the internet for enhancements (i.e. image zoom and auto scroll)

Skills:

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- Languages - Java, Python, C#
 - Web - HTML, CSS, JavaScript and React, PHP
 - Database - SQL and MySQL
 - Version Control - Git and SVN
 - Other - Firebase, JIRA, and Agile development