

# Rose Lin

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roselin.me

- EDUCATION** *Texas A&M University* Aug. 2017 - May. 2019  
M.S Major Computer Science, Curriculum GPA 4/4
- University of Virginia* Aug. 2013 - Dec. 2015  
B.S Major Systems Engineering, Curriculum GPA 3.76/4
- Graduated with high distinction
- TECHNICAL AND OTHER SKILLS** **Software:** Proficient in SQL, Python, and R. Familiar with bash, C#, .NET MVC Framework, Java, JavaScript, and C++.  
**Tools:** Fiddler, Postman, Git, Keras, Django, Agile
- PROJECTS** *Predicting Pedestrian Injury Metrics Based on Vehicle Front-end Design*  
Senior Capstone Project (Undergraduate)
- Built predictive models of pedestrian injury responses based on vehicle front-end design parameters in R and Python.
  - Coauthored a paper that was admitted to the IOV 2015 conference and published in the LNCS 9502 proceedings.
- WORK EXPERIENCE** *Software Developer Intern* Aug. 2018 - Apr. 2019  
HCSS, Sugar Land, TX.
- Refactored 50 methods to C# entity framework. Saved the processing time by 25%.
  - Facilitated in smoke testing during releases. Authored 3 onboarding documentations.
  - Selected features implemented: sentiment analysis on observation, JHA/inspection PDF improvement
- Data Science Intern* May. 2018 - Jul. 2018  
State Farm Insurance, Richardson, TX.
- Assisted with the Ariel Roof Inspection (ARI) effort: to identify hail damages on roofs based on photos taken by UAVs.
  - Tested and evaluated multiple deep learning models, preprocessed new data and added documentation.
  - Improved the mean accuracy of the existing model from 86% to 93.1%.
- Research Assistant* Sep. 2017 - Dec. 2017  
Rockwell Automation Laboratory, College Station, TX.
- Created a web-based virtual teaching pendant system for LabVolt 5150 robots at TAMU and Alamo College.
  - Tools used: Visual Basic, PHP, MySQL, XAMPP, JavaScript, Bootstrap.
- Business Systems Analyst* May. 2016 - Sep. 2017  
Empyrean Benefit Solutions, Houston, TX.
- Processed and Analyzed employee benefits data in Python, SQL and Excel.
  - Updated and maintained the web front-end using HTML, PHP and CMS.
  - Solely responsible for 2016 ACA Reporting for three clients, ensured that around 50,000 1095 B/C forms were mailed accurately and timely.