

# Howard Wang

howardwang@rice.edu | Cell: 832-600-7772 | Houston, TX 77005 | U.S. Citizenship  
linkedin.com/in/howardwangtech

## Education

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<b>Rice University</b> Master of Computer Science <i>Statistical Machine Learning, Approximate Computing for Big Data, Databases, Technical and Managerial Communication.</i>	Houston, TX Jan 2020 - Expected May 2021
<b>Washington University in St. Louis</b> Computer Science (transferred to Rice) <i>Data Structures and Algorithms, Intro to Machine Learning, Cloud Computing with Big Data, Database Management Systems.</i>	St. Louis, MO Aug 2019 - Dec 2019
<b>The University of Texas at Austin</b> Bachelor of Science in Mathematics <i>Coursework focused in Statistics, Applied Mathematics, Scientific Computing, and User Experience.</i>	Austin, TX Aug 2014 - Dec 2018

## Experience

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<b>Cirrus Logic</b> Statistics Intern (Product Engineering Team) <ul style="list-style-type: none"><li>○ Cirrus Logic is a fabless semiconductor company that specializes in analog/mixed-signal integrated circuits and designs audio products for companies such as Apple, Samsung, Motorola, and Sony.</li><li>○ Main Tasks: Developed an internal web application (using R Shiny), from conception to completion, used to analyze silicon wafers in Apple's devices and help engineers visually monitor false holds/false releases based on wafer bin limits.</li><li>○ Results: Streamlined a difficult business problem and significantly reduced false release/holds of wafers.</li><li>○ Tools/Skills: R, Python, C++, SQL, Excel, Statistical Modeling.</li></ul>	Austin, TX Summer 2018
<b>SAS Institute</b> Software Developer Intern (Visual Analytics Development Team) <ul style="list-style-type: none"><li>○ SAS Institute is an analytics software company that provide a suite of software to help other companies analyze, manage, and report data in order to make better business decisions.</li><li>○ Main Tasks: Fixed UI defects and worked on small features in SAS Visual Analytics and Visual Statistics. Presented poster of summer work at intern expo.</li><li>○ Results: Improved user experience and fixed numerous high priority UI defects that significantly helped with release.</li><li>○ Tools/Skills: JavaScript/TypeScript, HTML5, CSS, jQuery, OpenUI5, SQL, SAS, IntelliJ.</li></ul>	Cary, NC Summer 2016 and Summer 2017
<b>The University of Texas at Austin</b> Research Assistant (Linguistics Department) <ul style="list-style-type: none"><li>○ Member of the Bilingual Annotations Task (BATS) research group</li><li>○ Tasks: Fixed defects and worked on features in SAS Visual Analytics and Statistics. Built models using linear and logistic regression, decision trees, and clustering. Refactored code. Presented results to testing team.</li><li>○ Tools/Skills: Python, R, Matplotlib, Scikit Learn</li><li>○ Tools/Skills:</li></ul>	Austin, TX Jan 2017 - May 2017

## Technical Skills

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**Languages:** R, Python, Java, JavaScript, C++, SQL  
**Big Data Tools:** Hadoop, Spark, Hive  
**Version Control:** Git, SVN  
**Database Management Systems:** MySQL, Oracle, MongoDB

## Summary

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I am a current Master of Computer Science student at Rice University and a graduate of UT Austin. I am excited to apply my Mathematics and Computer Science background to Data Science, Analytics, Big Data, and Machine Learning roles. Excellent at working across multiple departments to solve technical challenges. Having lived in Seattle for several years in my childhood and really liking the city, I am specifically looking for opportunities in the Seattle area.