

Howard Wang

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Education

Rice University

Houston, TX

Master of Computer Science

Jan 2020 - Anticipated May 2021

- Machine Learning, Approximate Computing for Big Data, Programming Languages, Database.

Washington University

St. Louis, MO

Computer Science

Aug 2019 - Dec 2019

- Data Structures and Algorithms, Intro to Machine Learning, Cloud Computing with Big Data, Database Systems.

University of Texas at Austin

Austin, TX

B.S. in Mathematics

Aug 2014 - Dec 2018

- Coursework focused in Statistics, Applied Mathematics, Scientific Computing, and User Experience.

Experience

Cirrus Logic

Austin, TX

Statistics Intern (Product Engineering Team)

Summer 2018

- A semiconductor company that specializes in analog/mixed-signal IC and designs audio products for companies such as Apple, Samsung, Motorola, and Sony.
- Main Tasks:* Developed an internal web application (using R Shiny) used to analyze silicon wafers in Apple's devices and help engineers visually monitor false holds/false releases based on wafer bin limits.
- Results:* Streamlined a difficult business problem and significantly reduced false release/holds of wafers.
- Tools/Skills:* R, Python, C++, SQL, Oracle Database, Excel, Statistical Modeling.

SAS Institute

Cary, NC

Software Developer Intern (Visual Analytics Development Team)

Summer 2016 and Summer 2017

- Analytics software company that provide a suite of software to help other companies analyze, manage, and report data.
- 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.
- Results:* Improved user experience and fixed numerous high priority UI defects that significantly helped with release.
- Tools/Skills:* JavaScript/TypeScript, HTML5, CSS, jQuery, OpenUI5, SQL, SAS, IntelliJ.

University of Texas at Austin

Austin, TX

Research Assistant (Linguistics Department)

Jan 2017 - May 2017

- Member of Bilingual Annotations Task (BATS) research group that focuses on analyzing mixed language corpora.
- Main Tasks:* Factored and improved the performance of Python code. Created Visualizations using R.
- Results:* Improved the time it takes to process large corpora by 10 to 15 percent.
- Tools/Skills:* R, Python

Technical Skills

Languages: R, Python, Java, JavaScript, C++, SQL

Big Data Tools: Hadoop, Spark, Hive

Version Control: Git, SVN

Database Management Systems: MySQL, Oracle, MongoDB

Summary

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. With my background, I am excellent at working across multiple departments to solve technical challenges.