

WILLIAM SU

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EDUCATION

Rice University

Bachelor of Science in Computer Science

Houston, Texas

Class of 2021

- **GPA:** 3.74

Courses: Parallel Programming, Stat. Models for Data Science, Program Design, Algorithms, Linear Algebra

The SMIC Private School

Shanghai, China

High School Diploma

Class of 2017

- **GPA:** 3.88 | **ACT:** 34/36

RELEVANT PROJECT/EXPERIENCE

Hedwig Delivery App

Software Developer

Houston, Texas

Sept. 2018 - current

- Building a mobile iOS delivery app specifically for vendors and locations on the Rice Campus.
- Developing the app's front-end through React Native and back-end through GraphQL & mLab.
- Collaborating directly with business managers to scope the product.
- Exercise many industry standards: Git, agile development, scrum/sprint, user epics/stories & Kanban.

Goodreads Recommender Project

Houston, Texas

Data Science Researcher

Nov. 2018 – Dec. 2018

- Implemented 3 different recommender systems to suggest books to Goodreads users.
- Trained multiple models in parallel on the cloud using AWS EC2 instances.
- Models trained: user-user similarity, matrix factorization, and neural network based matrix factorization

Lam Research

Shanghai, China

Data Science Intern

June 2018 – Aug. 2018

- Developed Python scripts to automate CSBG department's daily data collection & cleaning process.
- Managed and queried data from a local SQLite server.
- Visualized bi-weekly sales and equipment usage data using QlikSense.

Rice Digital Gym

Houston, Texas

Software Developer

Nov 2017 – May 2018

- Assisted in developing an iOS app to track and update Rice user's live data from using gym equipment.
- Maintained the devices for collecting data on a weekly basis.

Facebook Community Structure

Houston, Texas

Data Analyst

Jan 2018 – Feb 2018

- Analyzed different community structures that exist among Rice undergraduate students on Facebook.
- Used Python and implemented the Girvan-Newman algorithm.

LEADERSHIP EXPERIENCES

Rice University Jones College Society

Houston, Texas

Academic Fellow

March 2019 - Current

- Provide free tutoring for new CS students at Jones College in COMP 215: Introduction to Program Design.
- Promote a positive intellectual environment by organizing study groups and hosting review sessions.
- Advice new students on course selection, time management, and exam-prep for their time.

Rice Taiwanese Association

Houston, Texas

Vice President

May 2018 - Current

- Organize intra-club activities such as: Chinatown dinners, boba tea trips, and mock Taiwanese night market.
- Promote Taiwanese culture and cuisine within the Rice community.

TEDx SMIC School

Shanghai, China

Student Speaker

Mar 2017

- Spoke for 18-min on my own meditation experiences in Nepal and Poland in front an audience of 100.

SKILLS AND INTERESTS

Programming: Python, Java, Latex, SQL, HTML & CSS, JavaScript

Machine Learning: Regression & Classification Models, Convolutional Neural Networks

Language: English, Mandarin, Taiwanese, Korean (basic)

Interests: Photography, Basketball, Meditation