

# Qile (Suyie) Zhi

<https://sumerinlan.github.io>

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## EDUCATION

### Stanford University

*M.S. in Computer Science*

Sep 2019 - Apr 2021

GPA: 3.99/4.0

**University of Illinois** at Urbana-Champaign

*B.S. in Computer Science, with Highest*

*Honors*

*B.S. in Mathematics, Summa Cum Laude, with*

*Highest Distinction*

Aug 2015 - Dec 2018

GPA: 3.96/4.0

## SKILLS

### Programming

Python, Java, C++

TypeScript, React.js, D3.js

React Native, Swift

### Design & Games

Figma, Sketch, Unity

Adobe Photoshop, XD, InDesign

## LANGUAGES

English (Fluent)

Mandarin (Native)

Cantonese (Native)

## WORK EXPERIENCE

### Snowflake

San Mateo, CA

*Software Engineer / React, TypeScript*

May 2021 - Present

- Build data sharing platforms on top of SnowflakeDB to support users in publishing, managing, and discovering data

### Citadel

New York, NY (Remote)

*Software Engineer Intern / Python, Pandas*

Jun - Aug 2020

- Designed and refactored data processing pipelines to consolidate critical datasets and detect changes in stock-level metrics
- Supported and maintained notification services on customized schedules to help investment teams identify research opportunities

### Airbnb

San Francisco, CA

*Software Engineer Intern / Java, React, TypeScript*

May - Aug 2019

- **Listing Widget:** Built toggleable widget to display Plus listing and application overview overlays on click without interrupting users' workflows
- **Appointment Scheduling Tool:** Created a sharable endpoint to query inspectors' availabilities. Implemented interface to support listing inspection scheduling and cancellation. Took ownership of end-to-end development cycles from designing to deploying

### Zillow

Seattle, WA

*Software Engineer Intern / Swift, Objective-C*

Feb - May 2019, May - Aug 2018

- Fixed issues in core shopping components like list view and home detail pages to increase the shopping experience of buyers and renters
- Explored and prototyped home recommendations visualization in list cards and map view in Zillow's iOS app
- Participated in the main filters' re-design and re-architected the framework using the existing MVVM (Model View ViewModel) library

### Signal

Chicago, IL

*Software Engineer Intern / Python*

Aug - Dec 2018

- Wrote scripts interacting with AWS products like S3, Step Functions, and SQS
- Built internal tools in Sinatra and Flask to monitor real-time feedback

## PROJECTS

### You Don't Know About Starbucks

Feb - Mar 2020

- Collected and analyzed data of 148 Starbucks' drinks with various size options and nutritional information
- Built 7 interactive charts to explore and investigate choices of drinks from different dimensions

### Material Synthesis Techniques from a Data-driven Perspective

Oct - Dec 2019

- Built a pipeline of a generative model to synthesize texture and a prediction model to predict normals
- Generated realistic and diverse color and normal maps that can be directly rendered into 3D scenes

### "Fluantly"

Sep - Dec 2019

- Designed a mobile platform for language learners to practice conversation and make friends
- Brainstormed and designed iteratively; built a high-fidelity prototype in React Native in three weeks