

# Darrick Wu

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## Education

### The University of Texas at Austin

GPA 3.77

B.S. IN COMPUTER SCIENCE

Aug. 2017 - May. 2021

- Relevant Coursework: Data Structures, Discrete Mathematics, Principles of Computer Systems, Software Engineering, Comp Organization and Arch, Algorithms and Complexity, Intro to Security, Cloud Computing, Linear Algebra, Intro to Probability and Statistics, Game Technology, Neural Networks(In progress)
- Business minor

## Work Experience

### Expedia Group

Chicago, Illinois(Virtual)

SOFTWARE ENGINEER INTERN | LODGING SHOPPING TEAM

Jun. 2020 - Aug. 2020

- Developed backend architecture to supply localized cancellation text with multiple policies
- Created dialog on progressive web app to clearly display cancellation text to users on property page for an estimated \$2.2 million increase in gross profit
- Added unit tests to ensure new changes working properly
- Worked mostly in Kotlin, Java, GraphQL, and React on Typescript.

### WuXi AppTec

Shanghai, China

SOFTWARE ENGINEER INTERN

Jun. 2017 - Jul. 2017

- Programmatically sharded massive order data text file into manageable excel sheets using Java.
- Analyzed user workflows and performed quality assurance testing to guarantee consistent customer experience on company e-commerce website.
- Gained exposure to Atlassian Jira and Bitbucket.

## Skills

**Languages/Technologies:** Java, C++, React, JS, Kotlin, AWS, GCP, Jenkins, C#, Python, Git, Flask, C, Unity, Godot

## Selected Projects

### Cloud Computing

GOOGLE KUBERNETES ENGINE, JENKINS, BITBUCKET

- Deployed containerized application on Google Kubernetes Engine and set up Continuous Deployment using Jenkins and Bitbucket.

### 2020guide.me

CLOUDFRONT, ROUTE53, REACT, SELENIUM

- Created landing page, improved search functionality, and setup cloudfront and route53 as part of a dynamic website made with AWS and React
- Repository: <https://gitlab.com/dwarkeshp/whos-paying>

### Pintos

C

- Expanded a toy OS to include priority scheduling, allowed argument passing on the stack, implemented system calls for user programs, added virtual memory, and converted the existing single-thread file system into a multi-level indexed file system.

### Security

JAVA

- Implemented AES-128 for encryption and decryption of plaintext, using 10 rounds of keys of 128 bits.

## Extracurricular Activity

### Convergent: Technical and Business Entrepreneurship Organization

MEMBER

- Simulate working at a startup through a semester-long, intensive build team program. Work on a team of six composed of business, technology, and design students.