Darrick Wu

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EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN   Austin, TX | Fall 2017 - Spring 2021
B.S. Computer Science (3.7735 GPA)
Business minor

RELEVANT COURSEWORK   * In-Progress
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*

EXPERIENCE

EXPEDIA GROUP | Software Engineering Intern Chicago, Illinois(virtual)| June 2020 – August 2020

- Upgraded architecture in Kotlin to supply localized cancellation text with multiple policies
- Created dialog on properties page to clearly display cancellation text to users for an estimated $2.2 million increase in gross profit
- Added unit tests to ensure new changes working properly

WUXI APPTEC | Software Engineering Intern   Shanghai, China | June 2017 – July 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 AND TECHNOLOGIES

Java, C++, React, JS, Kotlin, AWS, GCP, Jenkins, C#, Python, Git, Flask, C, Unity, Godot

SELECTED PROJECTS

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

2020GUIDE.ME
Created landing page, improved search functionality, and setup cloudfront and route53 as part of a dynamic website made with AWS and React
https://gitlab.com/dwarkeshsp/whos-paying

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

EXTRACURRICULAR ACTIVITIES

TEXAS CONVERGENT 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.