ANDREW LE

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EDUCATION

The University of Texas at Austin – Austin, TX Expected: December 2021
Bachelor of Science in Computer Science GPA: 3.20
Coursework: Data Structures and Algorithms, Computer Architecture, Multivariable Calculus, Statistics
Current: Operating Systems, Programming Correctness and Performance, Linear Algebra

SKILLS

- Proficient: Java, C, HTML/CSS, JavaScript, Android
- Intermediate: Python, React JS/Native, Redux, MATLAB

PROJECTS

Personal Website (elydna.github.io) October 2019 – Present

- Design a portfolio using HTML, CSS and JavaScript to showcase my projects and personal life
- Documented my other personal projects with in-depth explanations on functionalities and concepts on separate HTML pages

CodePath Android University October 2019 – November 2019

- Developed a series of Android apps using Java in Android Studio by creating feed views and populating them with data from the MovieDB and Twitter APIs, and a Parse backend for Instagram
- Implemented features such as composing and submitting posts and refreshing the feed
- Created layouts for each app activity/fragment and made UI adjustments

Clash Royale Trade Helper Bot December 2018 – September 2019

- Collaborated on a Java Discord bot that web-scrapes from a real-time API for Clash Royale by accessing endpoints using HTTP requests, to show card quantities and facilitate communication on trades
- Registered bot users in a MySQL database using Hibernate ORM; stored wish list files locally as JSON files
- Used data structures to implement new commands to view smart trade results by frequency of trade options, and a priority system to indicate most desired cards to accurately narrow down trade options
- Co-hosted a Discord server to actively help resolve issues and implement requested features
- Used in 85 Discord servers, with 500+ players registered and 400+ wish lists created

Huffman Coding April 2019 – May 2019

- Created a Java program that performs Huffman coding and compresses/decompresses files of any type
- Developed a processor to read bits, store frequencies of characters in a priority queue, and create a tree for encodings to create the compressed file
- Allowed the compressed file header to be written in either standard count format (SCF) or standard tree format (STF), determining how the encodings are re-read when decompressing the file

CAMPUS INVOLVEMENT

ProjectLEAD – *Co-Project Manager, Secretary;* Austin, TX September 2019 – Present

- Work with the Services for Students with Disabilities (SSD) office to research information about their history and use it to create a visualization
- Web-scrape online sources such as The Daily Texan and UT Library Archives using Python
- Record minutes during community partner meetings, discuss plan of action and updates with project