

JERRICK LEE

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EDUCATION

University of California, San Diego	San Diego, CA	September 2020 – December 2023 (Expected)
<ul style="list-style-type: none">• B.S. in Computer Science, GPA: 3.765, Provost Honors• Completed Coursework: Advanced Data Structures, Design and Analysis of Algorithms, Software Engineering, Theory of Computation, Digital Systems, Data Science in Practice, Business Project Management• Current/Planned Coursework (2022 - 2023): Operating Systems, Computer Architecture, Programming Languages		

ACADEMIC PROJECTS

Zoosseeker App	May 2022
<ul style="list-style-type: none">• Android navigation app that generates time efficient routes for users based on a customized list of user-selected animal exhibitions and attractions within the San Diego Zoo• Oversaw product development through a six-week, two-milestone cycle by using agile development with project workflow organized into user stories and tasks managed through Zenhub• Implemented front-end design features to allow users to backtrack previous exhibits, preview or skip upcoming exhibits, and toggle between detailed or simplified directions through use of Android Studio APIs• Implemented back-end features to generate optimized, time efficient routes by applying Java's JGraphT library in conjunction with Dijkstra's algorithm upon a list of user-selected exhibits• Assisted in ensuring product quality through JUnit Tests, UI Espresso Tests, and safeguarded code merges by automating continuous integration testing through Github Actions	
Data Science Project	March 2022
<ul style="list-style-type: none">• Determined a weak, but significant positive correlation between the number of viewers on Twitch.tv and the number of downloads and player activity on Steam, measured by an r-squared value of 0.301 that was obtained by running linear regressions through Python's numpy library• Web-scraped data consisting of 11 variables of Twitch.tv streaming metrics and 7 variables of Steam game data, organized into CSV and obtained through employing Python's BeautifulSoup library• Cleaned and wrangled data into organized data-sets using pandas library, generated graph visualization by employing seaborn and matplotlib libraries	

PERSONAL PROJECTS

Trivia Discord Bot	August 2022
<ul style="list-style-type: none">• Created a discord bot that can host over game sessions consisting over 10000 quiz question and play game music, implemented with Cog-based designed and custom commands supported through Discord.py API• Implemented leader-board feature to store all user scores after each quiz session on a local database through using MySQL and MAMP software	
Customized Link in bio page	November 2021
<ul style="list-style-type: none">• User-customizable link in bio page with framework created by HTML; layout, borders, and transitions stylized with CSS• Added personalization features by using Javascript to embed 3D animated backgrounds from Vanta.js library	

EMPLOYMENT

Shift Leader	Hui Lau Shan San Diego	July 2021 – August 2022
<ul style="list-style-type: none">• Cooperated in establishing the flagship San Diego location through closely collaborating with upper management to devise daily operation guidelines and training employees to uphold store values and superb customer service• Assisted in boosting sales through maintaining an average of over 400 products sold daily by strategically allocating employee workstations and upholding standard operating procedures		
Shift Leader	Happy Lemon San Diego	January 2020 - June 2021
<ul style="list-style-type: none">• Significantly improved team efficiency by improving employee coordination to successfully serve over 100 items per hour while maintaining cleanliness, product quality, and ensuring customer expectations are exceeded• Fostered a positive work environment among team of 30 employees by swiftly resolving conflicts arisen from customers and employees in a thoughtful, professional manner		

SKILLS

- **Programming Languages:** Java, C, C++, Python, JavaScript, HTML, CSS, Bash, Swift, SQL, ARM Assembly, x86
- **Tools:** Linux/UNIX, Agile Development, Object-Oriented Programming, Software Design Patterns, JUnit, Google Test, Android Studio, React, Git, XCode, Zenhub