Jerry Li

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EDUCATION

Texas A&M University — May 2024
Bachelor of Science in Computer Science, Honors — *College Station, TX*
GPA: 3.6

Relevant Coursework: Artificial Intelligence, Foundations of Software Engineering, Design and Analysis of Algorithms, Data Structures, Cryptography, Discrete Math, Computer Architecture, Engineering Project Management

TECHNICAL SKILLS

Languages: C++, Python, Java, R, PostgreSQL, JavaScript, React.js, CSS, HTML, Haskell, MATLAB, ROS
Developer Tools: Git, Linux, Agile, Jira, AWS, Visual Studio

RELEVANT EXPERIENCE

Lavner Education — May 2022 – August 2022
Information Technology Intern — *Austin, TX*
- Provided technical support and maintenance of live servers and administrative permissions across 4 locations
- Monitored and optimized performance, hardware, and software of 200 laptops and 8 3D printers
- Achieved 100% response rate to tickets within 30 minutes, escalating issues to higher support when needed
- Managed inventories and large amounts of data for safety, communication, and efficiency
- Mentored and trained 50+ students in programming and cybersecurity through weekly interactive classes and projects

The Conte Lab — January 2022 – June 2022
Data Science Undergraduate Researcher — *College Station, TX*
- Computed and analyzed thousands of MATLAB simulations using Python to provide insightful statistical analysis
- Automated the process of generating multi-variable figures using R and ggplot2, more than doubling data collection speeds
- Presided over the project's version control, ensuring accurate file management and documentation for a team of 4 members
- Presented breakthrough results at a mathematical conference, leading to recognition and accolades from distinguished professors

PROJECTS

Restaurant Point-of-Sales System | *AWS, PostgreSQL, Java, JavaScript, Express, HTML, CSS*
- Created a virtual interface that allows customers and servers to place orders at a local pizza restaurant
- Connected a PostgreSQL database with inventory and pricing to provide access to ordering trends and sales reports
- Implemented APIs for Google Translate, Google Maps, and OAuth 2.0 to increase user accessibility

GrocerEZ Grocery Planning Application | *Python, Java, JavaScript, PostgreSQL*
- Contributed to a full-stack application for determining optimal grocery shopping strategies for travel and cost
- Utilized Flask to connect the PostgreSQL database containing the store and product information to the frontend

Text Accessibility Chrome Extension | *HTML, JavaScript, CSS*
- Published an extension on the Chrome Web Store to parse webpage text to minimize font ambiguities for improved readability
- Provided resources for web developers to implement more accessible fonts as defined by the Americans with Disabilities Act

SETitaire GUI Card Game | *Java, JavaFX*
- Developed a GUI of an original card game focused on object-oriented programming principles and a heuristic hashing algorithm
- Updated usability and features using Agile methodology based on feedback from members of the board games club at college

SERVICE

Student Government Association, Texas A&M University — October 2022 – March 2023
Service Committee, Programs Representative — *College Station, TX*
- Mobilized a community service initiative involving 14,000 student volunteers and 2,000 residents of College Station, Texas
- Traveled to meet with local residents to discuss landscaping, home design, and other physical service needs
- Completed and reviewed paperwork to communicate deliverables, status updates, and risk management to the executives

Engineering Honors Program, Texas A&M University — July 2021 – May 2023
Student Mentor, Events Coordinator — *College Station, TX*
- Increase student engagement with Engineering Honors by 80% via career fairs and weekly professional and social events
- Improve program opportunities and communication by meeting with department advisors and university associates
- Advocate for thousands of honors students by presenting biannual report to the program's Steering Council