Jack Vacek

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EDUCATION

Texas A&M University | Craig and Galen Brown Engineering Honors　　　　　　**College Station, TX**
Bachelor of Science in **Computer Science |** Emphasis: **Japanese Language & Culture**　　**September 2021 - May 2025**
Cumulative GPA: **3.96 |** Honors: National Hispanic Scholar, Fall 2022 Dean's Honor Roll, IAP Visa Scholarship

EXPERIENCE

MRC Global | *Cybersecurity Intern, Houston, Texas*　　　　　　　　　　　**May 2024 – August 2024**
• Automated high-importance legal reporting to save security department 14 days of work each quarter and over $70,000+.
• Headed June and July company-wide Phishing Campaigns for over 3,000+ employees with over 20+ phishing templates.
• Developed script to group employees by department for specialized phishing attempts increasing failure rate by over 1.5%.
• Assisted in implementing and tuning Insider Risk Management which caught over 2+ employees stealing information.
• Utilized Postman for API calling for updating company firewalls and blocking over 1000+ known malicious actors.

AI4ALL Ignite | *Student, United States*　　　　　　　　　　　　　　**January 2024 – Ongoing**
• Participating in a 20 week program designed for students to create and present AI driven projects in a student symposium.
• Developed a linear regression model in a student-run team to predict computer science salaries in India based on 5 factors.

Layer 3 Communications | *Installation Technician, Houston, TX*　　　　　　**May 2023 – August 2023**
• Determined hardware needs for projects in Cypress Fairbanks Independent School District and the University of Houston.
• Installed over 2000+ networking hardware including wireless points, network switches, and uninterruptible power supplies.

Liberty Lift Solutions LLC | *Accounting Assistant, Houston, TX*　　　　　**August 2020 – August 2022**
• Researched and reconciled over 100+ vendor issues pertaining to past-due invoices, missing invoices, and overpayments.
• Maintained and organized over 3000+ accounts payable documentation for over 150+ different companies.

PROJECTS

Kung Fu Tea Point-of-Sale System | PostgreSQL, Java, JavaFX, Python, AWS, Express.js, React.js*, ChakraUI*
• Employed PSQL and Express.js to connect AWS based databases to our React.js frontend, facilitating a responsive backend.
• Applied Java and JavaFX to create an alternative desktop experience for the POS to provide quicker order processing.
• Implemented React.js and ChakraUI to create an easy to navigate and highly accessible user experience.

Multi-Threaded Client to Server ECG Retriever | C, C++
• Exercised multithreading programming techniques and memory management to collect data points or files of patient ECG
data from a server using TCP/IP protocol, which greatly improved file reading and writing efficiency by over 500%.

Student Attendance Tracker | Java, JavaFX
• Developed program with user-friendly interface to read, parse, and analyze students' sign-in and sign-out times.
• Applied Object Oriented Programming concepts in Java to collect, organize, and display information according to
user-defined parameters.
• Implemented JavaFX to create a User Interface that allows for file uploads and data analytical requests.

RELEVANT COURSES

Honors: Parallel Computing, Computer Organization, Data Structures & Algorithms, Programming Studio, Linear Algebra
Other: Cloud Computing, Human Computer Interaction, Discrete Structures for Computing, Introduction to Computer
Systems, Introduction to Computing, Introduction to Program Design & Concepts, Programming Languages, Design and
Analysis of Algorithms, Machine learning, Software Reverse Engineering, Calculus I-III

SKILLS

Software Skills: Agile, SCRUM, Jira, PostgreSQL, AWS, Express.js, React.js, RESTful APIs, HTML, Cascading Style Sheets
(CSS), JavaScript, TypeScript, Java, JavaFX, Python, C, C++, Jupyter Notebooks, Scapy, PCAP, Docker, Git, UML, ChakraUI
Affiliations: Aggie Competitive Programming, Texas A&M Cybersecurity Club, Japanese Culture Association, Intramural
Volleyball, Intramural Soccer, Intramural Kickball, AI4ALL Ignite
Languages: Japanese, Beginner Proficiency