

Josh Scott

(817) 559-5248 • Irvine, CA • scott.j.joshua@gmail.com • <https://www.linkedin.com/in/joshscott1532/>

EDUCATION

Texas A&M University

Bachelor of Science in Computer Science
College of Engineering

College Station, Texas

December 2024

Program GPA: 3.52/4.0

EXPERIENCE & PROJECTS

Jabil | Software Engineering Intern

May 2024 - September 2024 | Austin, Texas

- Spearheaded development of python command line tool, by processing live data leveraging Redfish API architecture on the BMC, for server management, orchestration, and maintenance
- Gathered internal and external user requirements for the tool and saw end-to-end development of the tool from development to client base, including API design, development, and deployment pipelines
- Achieved over 90% code coverage through mock http servers and unit testing; incorporated multiprocessing for efficiency and latency reduction
- Enhanced existing codebase to reduce server calls by using more modern Redfish API capabilities in tandem with optimized JSON pathing, resulting in a 60% reduction in total process time
- Led Scrum meetings with Managers and team to oversee the project life cycle, manage deadlines, work through pull requests, and adjust requirements

ChessVision (Live Chess Tracking) | Computer Vision Lead

January 2024 - April 2024 | College Station, Texas

- Built a real-time computer vision model using OpenCV for processing live chess games
- Integrates iOS app with MongoDB cloud database using .NET driver and RESTful architecture
- Won 1st place in the Computer Science department's senior design presentation

Restaurant Management Software | Full-Stack Developer

August 2023 - December 2023 | College Station, Texas

- Developed a web-based Restaurant management software supporting self-ordering kiosks, management sales & inventory reports, and cashier point of sale system.
- Utilized React to create a responsive user experience implementing a styling framework MaterialUI to polish the experience
- Designed and Created REST API infrastructure to have CRUD functionality with the PostgreSQL database deployed on AWS S3 buckets using Node.js and Express.js
- Implemented OAuth2 api to both bolster and secure the user management, adding varying permission access with route guards, api restrictions, as well as user management for the admins

Lelo's Island Restaurant | Front Manager

July 2021 - Present | Port Aransas, Texas

- Facilitated a team through 10+ hour shifts by assigning specific and optimized tasks, creating more efficient bar-management and register-management roles, acting as a conduit for bussers to relay customer issues allowing for direct resolution with customers or kitchen staff, resulting in a less stressful work environment

TECHNOLOGIES, ACTIVITIES & INTERESTS

Front-End: React, JS, CSS, HTML, MaterialUI, Swift

Back-End and DB: Node.js, Express.js, PostgreSQL, MongoDB, .NET

Languages & Libraries: Java, C++, Python, Pytorch, Numpy, OpenCV, C#

Deployment & Other Technologies: Vercel, Bash, Git, AGILE, Powershell, OAuth, Jira, HTTP, Figma

Relevant Courses: Machine Learning, Artificial intelligence, Programming Studio, Wireless Networks

Activities & Interests: Japanese Culture and Language, Volleyball, Indoor Climbing, Reading Non-Fiction, Snowboarding

LEADERSHIP & INVOLVEMENT

Ryan Consulting | Case Study Lead

August 2022 | College Station, Texas

- Implemented a complex strategy to optimize tax advantages and maximize profits in the buying, developing, operating, and selling of oil wells; resulted in projected revenues of over \$30,000,000
- Utilized python to preprocess and traverse expansive data sets, calculate optimal buy/sell dates, and leverage tax advantages

Texas A&M | Tutor

August 2022 – December 2022 | College Station, Texas

- Curated lesson plans and garnered resources applicable to both struggling and highly motivated students in Intermediate Accounting
- Provided 1:1 tutoring and mentoring; helped MSF cohort excel in a class with a drop/fail rate of 30%