

Jack Zhao

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EDUCATION

University of Texas at Austin

Bachelor of Science, Electrical and Computer Engineering, Minor in Entrepreneurship

Austin, TX

December 2024

EXPERIENCE

Management Consultant Intern (Business Architect)

May 2023 – August 2023

Pariveda

Houston, TX

- Architected a web app using AWS services (**Cognito**, **DynamoDB**, **Lambdas**) and **TypeScript/REACT** to scale our clients capabilities in serving 16,000 end users
- Facilitated workshops that defined client aspirations, where to play & how to win strategy, and future outcomes they want to realize by utilizing design thinking exercises and frameworks such as SWOT analysis
- Coordinated weekly story refinements, daily stand-ups, and monthly sprint demos and reviews to ensured customer satisfaction and software developer alignment
- Pioneered an internal plan mitigating talent pipeline disruptions caused by economic uncertainty, saving over \$100,000 in future cost savings and enhancing talent acquisition

Planning and Decision Technology Co-Op

May 2022 – December 2022

ExxonMobil - Global Projects

Spring, TX

- Collaborated with the plan and budget coordinator to digitally transform the annual planning process responsible for \$20+ billion dollars worth of capital, automating data analysis from 7 data lakes
- Built a project management app responsible for tracking the progression and status of 50+ projects and 12+ employees, improving communication for team meetings and leadership reports (still in use)
- Furthered a Python script that improved economic scenario analysis efficiency by 10x, resulting in faster and more accurate data analysis than the alternative tool of excel
- Streamlined the data flow for 3815 wells and 247 unique facilities in the Permian leading to the savings of 5 FTE
- Executed design thinking workshops that identified employee pain points caused by siloed data and business efforts resulting in the development of a python script and management tool

Business Analyst Co-Op

January 2022 – May 2022

Charles River Laboratories

Wilmington, MA

- Spearheaded the digital transformation of the Hungary location, driving process improvements for lab techs
- Managed the decision making process for choosing a SaaS provider through competitive product analysis
- Developed 50+ user stories to consolidate software engineers efforts with the needs of 6 different lab tech roles
- Planned a 3-month on-boarding plan for new software systems, ensuring a seamless transition for lab techs

PASSION PROJECTS

Impact Corp - Graduate Course | Consulting Team Lead

Present

- Led the development of a project scope of work, identifying the root-problem and outcomes needed to address it
- Crafted a growth strategy expanding a non-profit model into an earned-revenue model
- Designed a 5-year road-map that enables sustainable growth while expanding core business into 15 locations

Super Awesome Zombie Game | Game Competition

Spring 2023

- Designed my own game sprites using microsoft paint, converting it into a 16-bit color map
- Architected a resource-efficient game on a TM4C micro-controller with 256KB ROM and 32KB RAM
- Leveraged **C** and **ARM assembly** expertise to optimize code using modular design and resource management

JukeBoxJack (Discord Bot) | Personal Project

Summer 2021

- Engineered a solution to improve the remote experience that was caused by the COVID Pandemic
- Implemented a discord bot using **Python** to manage music and various functionalities for 20 friends
- Responded to user feedback and added a way to test connection latency by sending packets to the discord server

SKILLS & INTERESTS

Technical Skills: Java, JavaScript, C/C++, React, Python, Flask, MongoDB, HTML/CSS, PowerBI, PowerPoint

Student Organizations: Student Engineering Council, Texas Venture Group, IEEE

Interests: Cooking (ask me about my apprenticeship at UCHI), Gaming (ask me about my esports career), Reading