MICHELLE ZHANG

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EDUCATION

Bachelor of Science, Computer Science, Minor in Data Analytics   Graduation: May 2024

Chapman University, Orange, CA   GPA: 3.7

- *Notable coursework*: Data Structures and Algorithms | Data Comms/Computer Networks | Database Management | Data Science | Artificial Intelligence | Machine Learning | Operating Systems | Statistical Models in Business Analytics | Web Engineering | Applied Business Analytics | Programming Languages | Computer Architecture
- *Organizations*: Alpha Kappa Psi (Professional Business Fraternity), SPIRE Mentorship Program, Gamma Beta Phi Honors Society, National Society of Collegiate Scholars (NSCS)

Programming Languages: Python, C/C++, Java, R/RStudio, HTML/CSS, JavaScript/TypeScript, React.js, SQL

Technical Skills: Git/GitHub, Visual Studio Code, Unix/Linux, Jupyter Notebook, AWS, Figma, Microsoft Office Suite

PROFESSIONAL EXPERIENCE

Warner Bros. Discovery, Bellevue, WA   Jun 2023 – Aug 2023

Software Engineering Intern

- Developed a full-stack dashboard for TNT Sport developers to effectively monitor the health of 11 TNT channels watched by millions of users simultaneously and report multiple sources of alerts and streaming issues in real-time.
- Worked cross-functionally with the Live Streaming team and 10+ engineers to constantly improve the dashboard design
- Utilized technologies such as React.js for frontend, TypeScript for backend, AWS, and Figma for wireframing
- Increased efficiency for engineers and providing Technology Operations Center (ToC) with clear steps for mitigation

Fu11 Mart Inc., Frisco, TX   Jul 2022 – Nov 2022

Full-Stack Software Engineer Intern

- Developed a full-stack ecommerce and company website to increase company revenue and expand customer target audience to national and international scales
- Lead and worked alongside a 5-member team to produce, modify, and debug software
- Collaborated with product management, development and design teams, other engineering departments, and business teams to ensure technical responsibilities and future projected goals are met

PROJECTS

Fu11 Mart Ecommerce Store Website (React.js, JavaScript)   Jul 2022 – Nov 2022

- Created a full-stack ecommerce website for Fu11 Mart, a small variety store company, to serve as the company website and a digital version of the store through selling products and processing payments in a database
- Collaborated with engineering and business teams to successfully design the front end and manage the back end
- Utilized various software technologies such as React.js, JavaScript, Microsoft Excel, and REST API

University Student-Faculty Database, Chapman University (C++, Git/GitHub)   Apr 2022

- Simulated a university database by storing, removing, and maintaining all data in a Binary Search Tree data structure
- Implemented a BST ADT in C++ and explored object serialization and rollback features with a stack data structure
- Worked extensively with a fellow classmate on code design and implementation and used Git/GitHub for source control

Scientific Computing Project, Chapman University (Python, Jupyter Notebook)   Sep 2020 – Dec 2020

- Designed code to display the equilibrium configuration through the minimization of a physical system's potential energy
- Collaborated with 4 colleagues regarding the implementation, design, and development of the code and the project
- Coded in Python using packages like NumPy, SciPy, Matplotlib in Jupyter Notebook

ABOUT ME

- **Languages**: English (fluent), Mandarin (fluent), Spanish (intermediate)