

Alex Chen

Dallas, TX, USA

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Education

Southern Methodist University, Dallas, TX January 2025—May 2028 (Expected)

Ph.D. in Computer Science (Research Focus: Artificial Intelligence in Healthcare)

- Conduct research on predicting early symptoms of Alzheimer through AI

Southern Methodist University, Dallas, TX

August 2022—Dec. 2024

Bachelor of Science: Computer Science – Artificial Intelligence and Machine Learning Track

- **GPA:** 3.893/4.0

- **Scholarships:** Honor Transfer Scholarship, June/July Intersession Scholarship

Projects

Employment Agency

January 2024—April 2024

Web application used for an employment agency to connect temporary workers with employers.

- Implemented a secure multi-user login system and account management for staff, employers, and professionals.
- Created efficient job matching algorithm to pair professionals with suitable job opportunities based on their qualifications.
- Built using React as the front end, and Spring Boot as the back end with MySQL as the database

EthiCode

January 2024—April 2024

Mobile application to facilitate ethical discussions, leveraging AI technology for personalized responses

- Implemented user authentication, including a login page and password recovery feature, enhancing user security and accessibility.
- Integrated ChatGPT 4.0 using OpenAI's API, enabling users to receive AI-generated responses to ethical queries based on selected stances (for, against, neutral).
- Built using React Native as the front end, and Spring Boot as the back end with MySQL as the database

Skills

- **Programming Languages:** C++, Java, JavaScript, Objective C, Python, Swift, TypeScript, CSS, HTML, SQL

- **Tools:** CLion, Excel, Git, GitHub, IntelliJ, MySQL, Node.js, Notion, PowerPoint, Project, React, React Native, Spring Boot, Visual Studio Code, Word, Xcode

Experience

Research Assistant, Southern Methodist University, Dallas, TX

August 2024—Present

- Conduct research on AI related topics.

Summer Research Intensive, Southern Methodist University, Dallas, TX

May 2024—August 2024

- Write and use Python class for various lab instruments (i.e. spectrum analyzer) to perform QA test on VTRX+ transceivers for the ATLAS experiment at CERN in SMU's Physics Electro-Opto lab.
- Maintained and organized the lab environment, including hardware setups and labeling
- Participated in weekly SRI meetings to discuss and report progress on assigned tasks

Teaching Assistant, Southern Methodist University, Dallas, TX

August 2023—May 2024

- TA for Discrete Comp Structures, graded students' HWs, quizzes, and exams
- Tutor students throughout the week in topics such as graph theory and proofs both in person and online
- Help professor with proctoring quizzes, exams, and setting up zoom meetings for lectures