

ANDREW XIAO

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EDUCATION

Master of Science, Computer Science | December 2024 | Georgia Institute of Technology | Atlanta, GA

- GPA: 4.0 / 4.0
- Courses: Machine Learning, Algorithms

Bachelor of Science, Computer Science | December 2023 | Georgia Institute of Technology | Atlanta, GA

- GPA: 4.0 / 4.0
- Courses: Automata and Complexity Theory, Computer Vision, Database Systems, Information Security, Cognitive Science, Artificial Intelligence, Computer Networking, Probability and Statistics, Applied Combinatorics, Computer Systems, Discrete Mathematics, Data Structures, Object Oriented Programming
- Awards: Faculty Honors, Dean's List

SKILLS

- Python, HTML, CSS, Java, C, C++, MySQL, JavaScript
- Front & Back-End Development, Agile Methodologies, Parallel Programming, Network Protocols, Cybersecurity
- English, Mandarin, Spanish, French

PROJECTS

AED Locator | January 2023 – Present

- Utilized client-server system architecture and 3-tier model
- Used React Native for front-end, Flask for back-end, and MongoDB for database management

Transfer Learning for Brain Signals | May – August 2023

- Implemented EEGNet in Python
- Tested model on a subject after training on different subject and partial data of test subject

UDT Chatroom | August – December 2022

- Wrote application in C++ using UDP as the transport layer protocol of the network stack
- Incorporated thread-based programming to achieve concurrent functionality

Bank Application | January – May 2022

- Created ERD and relational schema
- Programmed database, procedures, and views in MySQL
- Constructed GUI with JavaFX
- Connected interface to database with JDBC

Tower Defense Game | January – May 2022

- Drew domain model and design class diagram
- Designed GUI and implemented functionality in Android Studio
- Built application with Gradle

ORGANIZATIONS

Data Science @ Georgia Tech

- Worked on GT Athletics project by using ML models to predict the progression of college basketball players based on their high school statistics

EXPERIENCE

Internship | Johnson & Johnson | May – June 2019 | Spring House, PA

- Shadowed the Sr Scientific Director of Janssen's Department of Immunology
- Learned the 3 phases of clinical trials and the importance of multiplicity for significance tests