DAVID CHEN

Atlanta, GA | P: +1 7603900895 | xche653@emory.edu

EDUCATION

EMORY UNIVERSITY   Atlanta, GA
Bachelor of Arts and Sciences   Expected May 2026
Major in Computer Science; Minor in Quantitative Science
Cumulative GPA: 4.0/4.0; Dean's List 2022 Fall, 2023 Spring
Relevant Coursework: Data Structures & Algorithms; Computer Architecture & Assembler Programming;
                Intro to Statistical Computing; Intro to Computer Science; Intro to Artificial Intelligence

RELEVANT PROJECTS

EXPRESS JS MARKDOWN ARTICLE BLOG ([Github](.)|[Website](.))   July 2023 - August 2023
Tech Stack: JavaScript, HTML, CSS, Express, Node JS, MongoDB
- Developed a web markdown blog where users can write, post, and view markdown articles
- Designed Express routers to support POST, GET, PUT, DELETE actions
- Employed MongoDB to support efficient and scalable storage of user data

DJANGO-BASED ONLINE TO-DO-LIST ([Github](.)|[Website](.))   June 2023 - July 2023
Tech Stack: Python, HTML, CSS, Django, SQLite
- Built a to-do-list app that can add, edit, delete, and track completion status of tasks
- Designed Rest APIs based on CRUD operations to perform POST, GET, PUT, DELETE actions
- Utilized Django authentication system to enable safe storage of user information and password hashing

GCLOUD TRANSLATION API PROJECT ([Github](.))   April 2023 - May 2023
Tech Stack: Python, Google Cloud
- Investigated how factors including target language and content type impact the accuracy of GCloud Translation API
- Utilized TfidfVectorizor to vectorize texts and compute cosine similarity scores to measure how text meaning is preserved through the translation process
- Identified text content type and rounds of translation to be correlated with translation accuracy

REACT-BASED ECOMMERCE WEB APP ([Github](.))   July 2023 - August 2023
Tech Stack: JavaScript, HTML, CSS, React, Firebase
- Implemented product display, shopping cart, and check out using react JS framework
- Supported user authentication and managed product data using Firebase

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

EMORY DATA SCIENCE CLUB ([Github](.))   Oct 2022 - May 2023
Project Lead, Analysis of Covid-19 and Economic Impact on National Mental Health
- Cleaned and merged economic indicators, mental health, and Covid-19 data from CDC, BEA, and NYT databases
- Built XGBoost models with low error rates (MSE on training/validation data = 3.98/9.29)
- Organized regular meetings to share progress, assign tasks, and discuss project goals

VIBE SCHOOL STORE
Chief Finance Officer   Sep 2018 – May 2022
- Led a team of 5 members to record and analyze transaction records using Square Business Banking and Wave Financial
- Made monthly financial records and provide suggestions for purchase decisions on school apparels and souvenirs
- Arranged weekly meetings to offer performance feedback and assign tasks

SKILLS

Programming Languages				**Web Frameworks**	
- JavaScript	- Python	- Java	- C++	- Express	- Django
- HTML	- CSS	- SQL	- R	- React	