

Chase Kellogg

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Languages: C, Java, JavaScript, Python, SQL, Swift

Tools: Git, Flask, Hibernate/JPA, HTML, Heroku, Jira, Linux, Postgres, React, Redis, Selenium, Spring Boot, TailwindCSS

EDUCATION

Emory University, Goizueta Business School

Atlanta, GA

Bachelor of Business Administration

Dec. 2023

Double Major: **Computer Science** and **Organization & Management**

GPA: 3.73/4.00

Courses: Data Structures/Algorithms, Database Design, Machine Learning, System Programming, Computer Architecture

TECHNICAL PROJECTS (Portfolio Site: <https://www.chasekellogg.com/>)

Jukeboxd | [Live Demo](#) | [Repo](#) | *Java/Spring Boot, JavaScript/React, PostgreSQL, Selenium, Git*

- Developed a full-stack social platform similar to movie-reviewing site 'Letterboxd' but for music instead of films
- Designed a robust RESTful API with full CRUD operations and JWT authentication (Spring Security), allowing users to search 100 million+ songs (Spotify API), publish reviews, engage with posts, customize profiles, and follow others
- Engineered a Python script to stress test via 500+ bot users in minutes using Selenium & GPT4 (generates user info)

In-Background Music Streaming App (IOS) | [Repo](#) | *Python/Flask, Swift, Redis, Git*

- Built an IOS app to display videos from YouTube's API given a query & stream audio in device's background, preserving battery while listening (~1% saved per 5 mins) & fusing YouTube's vast library with Spotify's ease-of-use
- Reduced runtime of extracting audio-only streams in backend by 150% by profiling then caching via Redis datastore

EmoryLane | [Demo](#) | *JavaScript/React, TypeScript, Firebase, Git, Jira*

- Crafted a full-stack web yearbook for Emory graduates, allowing 100+ users to share college photos & memories
- Implemented 10+ key components & pages in React including a comment section with dynamic loading & a post feed
- Collaborated with a team of 7 developers using Git, Jira, and Agile SCRUM methodology for effective product delivery
- Outlined all UI elements & features via an in-depth & functional [Figma mockup](#) (adhering to WCAG for accessibility)

Post-Collision Traffic Predictor | [Demo](#) | [Repo](#) | *Python, Git*

- Contrasted precision, F1 score, & AUC of ML models (KNN, Naïve Bayes, Logistic Regression, Decision Trees, Random Forest, xgBoost) on 7.7 million+ samples of car crashes to most accurately predict traffic for first responders
- Preprocessed data via encoding, binning, & feature engineering & tuned hyperparameters (2% rise in test accuracy)

WORK EXPERIENCE

TAMID Group

Atlanta, GA

Software Consultant & Project Manager

Sep. 2021 – May 2023

- Led a team of 5 software consultants to analyze and address needs of overseas startups seeking tech assistance
- Crafted sprint backlogs based on user needs via Jira and ran weekly standup meetings to ensure client satisfaction
- Utilized Git to manage version control in projects ranging from machine learning classification models to webpages

United States House of Representatives

Washington, DC

Congressional Intern

Jun. 2022 – Aug. 2022

- Served California's 34th Congressional District (downtown Los Angeles) in Representative Jimmy Gomez's DC office
- Tracked and produced memos for 10+ STEM briefings to summarize relevant material for congressman and staff
- Drafted newsletters, form letters, and tweets to inform constituents of Rep. Gomez's legislative record in DC
- Managed concerns of ~200+ community members via direct phone calls and connected staffers with requested lines

Goizueta Investment Management Group

Atlanta, GA

VP of Marketing & Website Director

Sep. 2020 – May 2022

- Coordinated various webpages with functional links and multimedia elements to promote Emory's student-run investment fund with \$300k AUM in equity and fixed income portfolios, resulting in 70% qualified applicant boost
- Guided a design team of 9 marketing associates to develop inventive methods of maintaining alumni participation
- Designed four biannual semester reports on recent news & portfolio performance for alumni & future members

Emory University, Department of Economics

Atlanta, GA

Research Assistant

Nov. 2019 – Feb. 2020

- Analyzed balance sheet data from over 2,000 industrial, railroad, and utility companies as part of a research project led by Emory Professor Caroline Fohlin and examined widespread impacts of economic crises between 1910 - 1945
- Produced VBA scripts to populate a 10k+ entry dataset & extensively monitor data implementation of past assistants