

Chase Kellogg (Software Developer)

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Languages: Java, Python, JavaScript, Swift | **Tools:** SpringBoot, React, PostgreSQL, Hibernate/JPA, Flask, Git, HTML, Jira

EDUCATION

Emory University, Goizueta Business School

Atlanta, GA

Bachelor of Business Administration

Dec. 2023

Double Major: **Computer Science** and **Strategy & Management Consulting**

GPA: 3.73/4.00

Courses: Data Structures/Algorithms, Database Systems, Machine Learning, Systems Programming, Artificial Intelligence

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

Jukeboxd | [Live Demo](#) | [Repo](#) | *Java, Spring Boot, JavaScript, React, PostgreSQL, TailwindCSS, Spotify API, 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), write reviews, engage with posts, customize profiles, and follow others
- Wrote a [Python script](#) to make 500+ bot users in minutes using Selenium WebDriver & GPT-4 (to generate user info)

In-Background Music Streaming App (iOS) | [Repo](#) | *Swift, Python, Flask, YouTube API, Git*

- Built an app that displays videos from YouTube's API given a query and streams audio in my device's background to preserve battery while listening ($\approx 1\%$ saved per 5 mins), combining YouTube's vast library with Spotify's ease-of-use
- Reduced runtime of extracting audio-only streams in my backend by 150% via profiling then pre-fetching & caching

EmoryLane | [Demo](#) | *React, TypeScript, NodeJS, Next.js, Firebase, TailwindCSS, daisyUI, Git, Jira*

- Crafted a full-stack web yearbook for my graduating class on which 100+ users shared college photos & memories
- Implemented key components & pages including a comment section with dynamic comment loading & a post feed
- Collaborated with a team of 7 developers using Git, Jira, and Agile SCRUM methodology for effective product delivery
- Modeled a comprehensive Figma mockup (adhering to WCAG for accessibility) that outlined UI elements & features

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

- Compared accuracy, F1 score & AUC of ML algorithms (KNN, Naïve Bayes, Logistic Regression, Decision Trees, Random Forest, xgBoost) on 7.7 million+ samples of car crashes to most effectively predict traffic for first responders
- Preprocessed the data via encoding, binning, & feature engineering/selection & conducted hyperparameter tuning

WORK EXPERIENCE & COMMUNITY INVOLVEMENT

TAMID Group

Atlanta, GA

Project Manager & Software Consultant

Sep. 2021 – May 2023

- Led a team of 5 software consultants that analyzed & catered to the needs of foreign 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. 2018 – Aug. 2018 & Jun. 2022 – Aug. 2022

- Served the 34th Congressional District of CA (downtown Los Angeles) in the DC office of Congressman Jimmy Gomez
- Attended various STEM briefings to produce memos that summarized relevant material for the congressman & staff
- Explored critical policy areas like AI-regulation to assist with the forging of legislation & constituent correspondence
- Drafted newsletters, form letters, and tweets to inform the public of the congressman's legislative record in DC
- Spoke with and managed the concerns of constituents while also connecting staffers to the appropriate number line

Goizueta Investment Management Group

Atlanta, GA

VP of Marketing & Website Director

Sep. 2020 – May 2022

- Coordinated various webpages with appropriate links and multimedia elements in a manner that most effectively promoted Emory's student-run investment fund with \$300k AUM in equity and fixed income portfolios to the public
- Guided a design team of 10 marketing associates to develop inventive methods of maintaining alumni participation
- Designed biannual semester reports on recent news and portfolio performance for alumni and prospective 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 that examined the impacts of economic crises between 1910 and 1945
- Wrote VBA scripts to input data entries and extensively review the data implementation of previous assistants