

Kenny Cao

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EDUCATION

Georgia Institute of Technology

BS in Computer Science, GPA: 3.7/4.0

Expected May 2026

Atlanta, GA

EXPERIENCE

FlightBridge, LLC

Software Engineer Intern

May 2024 – Present

Atlanta, Georgia

- Integrated an ASP.NET MVC application with a SQL database to maintain a company referral program for companies like **AOPA**, used by **1000+ pilots and operators** allowing for customized logos and descriptions
- Established a precise Traveler and Redress number validation tool through Regex, enabling more accurate bookings for a platform that serves **1,000,000+** users annually, by utilizing a Razor C# front end and the jQuery library
- Implemented VueJS and Bootstrap to refactor and modernize user and admin pages through Dashkit Layouts
- Incorporated Agile methodologies through Azure DevOps to support CI/CD pipelines and automation workflows, **reducing deployment time by 45%** and increasing release frequency

Georgia Tech WebDev

Software Engineer

Jan 2024 – May 2024

Atlanta, Georgia

- Collaborated with a **7** developers on a **5** month long project involving the creation of a collaborative whiteboard website, utilizing React and CanvasJS to implement shape drawing and stroke customization
- Enabled real-time drawing updates by seamlessly integrating web sockets over TCP, capturing and transmitting JSON-formatted data including new coordinates, stroke attributes, and line color
- Assigned unique identifiers for each whiteboard using MongoDB, allowing efficient whiteboard saving and retrieval

Georgia Tech Financial Services and Innovation Lab

Undergraduate Researcher

Jan 2024 – May 2024

Atlanta, Georgia

- Reimplemented a feed-forward neural network attention layer by projecting vectors and embeddings generated by BERT to **100 dimensions** with ELU activation to identify financially relevant news based on past stock prices
- Trained a Naive Bayes classifier using a parsed text dataset of **210k+ articles** to organize news headlines by category, successfully achieving a **91% accuracy** using softmax classification
- Leveraged the Gigaword Dataset and BERT within the feedforward layer on **2 million news headlines** to generate embeddings from context and semantic meanings, systematically stored in a MongoDB database for later use

PROJECTS

TuneIn | NextJS, ReactJS, Firebase, Spotify API, Cohere API, Tensorflow, Keras-tf, Transformers

- Devised a comprehensive music networking platform that facilitates job discovery for musicians and provides music insights via an AI chatbot; Implemented a custom model to search audio embeddings, enabling users to find songs based on complex queries and audio characteristics (**3rd place @ MegaHacks24 Live Music Booking CRM**)

SpotifyWrapped | Android Studio, Java, Firebase, Spotify API

- Engineered an android app that seamlessly integrates Firebase with the Spotify API, enabling users to perform CRUD operations such as showcasing their most played songs and top artists
- Established connections between Android Studio and RESTful API endpoints to facilitate functionalities like background music playback and personalized song recommendations

Gide | Flutter, Dart, Firebase, Google Maps API

- Facilitated accurate location services and dynamic map updates by using Google Maps API with Flutter, allowing seamless discovery of new stores and real-time updates from the user's frequented shops
- Utilized Firestore to handle the storage of user data, store items and announcements, and favorite items, enhancing user browsing and shopping experience

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Java, Python, C, C#, TypeScript, Dart, SQL

Libraries/Frameworks: React, ExpressJS, NodeJS, MongoDB, Socket, Tailwind/Bootstrap, jQuery, VueJS, ASP.NET

Technologies: Git, Visual Studio, Android Studio, Firebase, Azure DevOps