

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

- Developed an online booking and management platform tailored for streamlining private aviation operations
- Integrated a C# ASP.NET MVC application with a SQL database to maintain a company referral program used by 1000+ pilots and operators allowing for customized logos and descriptions
- Implemented VueJS and Bootstrap to refactor and modernize user and admin pages through Dashkit Layouts
- Utilized 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 other developers on a semester 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

- Contributed to a neural network for stock prediction using PyTorch and Pandas to automatically discern financially relevant news by utilizing past stock price movements and the Gigaword Dataset
- 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 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

PomoBuddy | *ReactJS, NodeJS, TailwindCSS, MongoDB, ExpressJS*

- Designed and developed a full stack Time/Task Manager application, enabling users save customized time modes to accounts, enhancing user productivity and optimizing workflow
- Integrated bcrypt with MongoDB for handling user data retrieval and password hashing for maximum security

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

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

NextJS Portfolio Website | *NextJS, ReactJS, HTML/CSS/Typescript, TailwindCSS*

- Built and deployed a portfolio website with server side rendering and dynamic animations using Aceternity library and NextJS, hosted on Vercel for maximum optimal accessibility

TECHNICAL SKILLS

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

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

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