

# KEVIN KWAN

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Intuitive, adaptive, inquisitive, and creative entry-level full stack developer with backend experience seeking to collaborate, design, develop, debug, deploy, and maintain impactful programs and web applications.

## EDUCATION:

**Georgia Institute of Technology** – Atlanta, GA

August 2021 – May 2024

- Bachelor of Science in Computer Science; *summa cum laude* GPA: 3.9
- Zell Miller Scholarship, Graduated with Highest Honors, Dean's List, Faculty Honors

**Gwinnett Technical College:** Dual Enrollment – Lawrenceville, GA

May 2020 – May 2021

- PC Repair and Network Technician Certificate
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## TECHNICAL SKILLS and KNOWLEDGE:

### Programming Languages/Frameworks:

Java, Python, C#, JavaScript, TypeScript, Node.js, SQL, HTML, CSS, React, NextJS, Tailwind CSS, Lua, C, MATLAB

### Technologies/Instrumentation:

Git, Version Control Systems, Agile/Scrum, MySQL/NoSQL Databases, Docker, Unity, Cloudflare, Google Cloud, Microsoft Azure, JIRA, Confluence, JetBrains IDEs, Visual Studio, Adobe Creative Suite, Windows 10/11, Ubuntu

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## WORK EXPERIENCE:

**Software Engineer Intern:** *Publicis Sapient (Publicis Groupe)* – Atlanta, GA

June 2023 – August 2023

- Engineered a Whatsapp AI chatbot application having Memory and Tools using Google VertexAI's LLM, LangChain, MongoDB, and APIs for the Travel & Hospitality Industry to enhance the experience for tourists through engaging conversation by providing accurate, up-to-date answers, live data, and recommendations for Atlanta's attractions, hotels, and restaurants
- Architected RESTful APIs using Flask and Python that allowed the frontend team to interact with our backend MongoDB databases and AI chatbot program endpoint to generate and retrieve responses
- Automated CI/CD (DevOps) pipeline through GitLab, Docker, and Google Cloud Platform, and deployed our frontend applications on Google Firebase Hosting and backend applications on Google App Engine
- Improved the accuracy of the bot's responses up to 91% through rigorous testing and validation
- Assembled a full-stack interactive map website using Node.js, Vite, TypeScript, Google Maps API, and GCP Storage Buckets to serve chatbot options and venue information to users

**CAVs Software Engineer:** *Georgia Tech EcoCAR EV Challenge* – Atlanta, GA

Jan 2022 – May 2023

- Under the V2X subteam, used data from cameras and sensors to develop a finite state machine to help the car make smart decisions in certain traffic light scenarios with efficiency and user experience in mind
  - EcoCAR Mobility Challenge is a 4-year Collegiate Competition and \$1 million research program sponsored by Argonne National Labs, the U.S. Department of Energy, General Motors, MathWorks, Intel, and more
  - Contributed to the Georgia Institute of Technology team's victory in The EcoCAR Mobility Challenge in 2022, securing 1st place
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## PROJECTS:

**Deep Learning: "Eyetracking-Driven Human Computer Interaction" Software**

August – December 2023

- Successfully built and trained AI architectures using PyTorch to aid populations with limited limb mobility by tracking and mapping a user's gaze onto a computer screen to control mouse cursor movement

**Discord Open-Source Multi-Purpose Chat Bot – 1,100 Users** ([GitHub](#))

January 2022 – Present

- Designed and developed a custom, modular Discord chatbot with ChatGPT, Music, and Economy (MongoDB) using Node.js packages to interact with APIs and respond to users' commands and inputs
- Deployed the bot on Fly.io (previously Heroku) to be hosted with 24/7 uptime with CI/CD integration

**Video Game Suite Group Project: "Project Blu" – Objects and Design** ([GitHub](#))

June 2022 – August 2022

- Utilized software engineering principles, design patterns, problem-solving, and AGILE/SCRUM project management to develop a game suite in Unity while completing assigned work in time-boxed sprints
- Promoted teamwork by assigning tickets to members, facilitating communication, and planning meetings