

# Ian Wood

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## Education

### Georgia Institute of Technology | Atlanta, GA

August 2021 – Dec 2024

Bachelor of Science in Computer Science (Info Internetworks/Intelligence), **GPA: 4.00**

Relevant Coursework: Linear Algebra, Object Oriented Programming, Algorithms and Data Structures, Database Design, Design & Analysis of Algorithms, Computer Networking, Computer Vision.

## Experience

### Tesla

May 2024 – Present

Software Engineer Intern

Fremont, CA

- Developed factory software using Golang and MySQL for Tesla's factory in Fremont as a part of Flux team.
- Redesigned backend system for creating/updating maintenance orders to reduce number of requests by **75%**.
- Involved in implementing IoT system within factory to increase data collection and analysis using Grafana.
- Led design/implementation of API for creating forms and workflows used across company by **20,000+** people.
- Worked with CI/CD pipelines of production-level software within the factory using Kubernetes and Jenkins.

### FlightBridge, LLC

May – August 2022

Software Engineer Intern

Atlanta, GA

- Continuously developed an online booking and management platform for the private aviation industry.
- Developed a tool using C# and the Google Maps API to visualize hotel data for over **1000** customers.
- Integrated Vue.js into an ASP.NET application to help build a custom scheduling tool used by **100+** pilots.
- Utilized SQL and LINQ in C# to build a hotel recommendation engine that increased hotel search efficiency.

### Griffin Solutions Group

May – August 2021

Software Engineer Intern

Alpharetta, GA

- Researched RPA and automated web UI testing using UiPath and Puppeteer to increase productivity.
- Utilized React for frontend development of websites, with Node.js and PostgreSQL handling the backend.
- Followed an Agile development methodology to coordinate with 40+ other coworkers across the company.
- Worked with API documentation using Swagger for multiple different large-scale production projects.

## Projects

### Magnidia | Next.js, TypeScript, Prisma, PostgreSQL

January - May 2024

[www.magnidia.com](http://www.magnidia.com)

- Led a 6-person development team as a project manager to develop a web app for creating/sharing events.
- Built frontend using TypeScript, Next.js and Tailwind with authentication using NextAuth and Google Cloud.
- Used a serverless API built using Next.js app routing that stores data with Prisma, PostgreSQL, and AWS.

### EssAI | React, Flask, SQL, GPT3

January - April 2022

[www.ess-ai.com](http://www.ess-ai.com)

- Leveraged AI models with GPT-3 to create a website that hosted a multitude of tools used to improve essays.
- Utilized Flask to create robust API and middle-tier architecture that connected AI models to a React frontend.
- Continuously stored data in an SQL server to further train the AI models off data collected from user input.

## Organizations

### WebDev @ GT | Georgia Tech

January 2022 – Present

Project Manager

- Led & organized a team of 6 other students to complete a full-stack web application for multiples semesters.
- Followed Agile development methodology and used Git and GitHub to keep projects organized and on track.
- Utilized modern DevOps and deployment tools such as Vercel, AWS, and GCP to bring projects to production.

## Skills

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

**Frameworks:** Next.js, React, Node.js, ASP.net, Express, Flask, PostgreSQL, MongoDB, Tailwind, Angular

**Software:** Git, GitHub, Docker, Vercel, AWS, Google Cloud, Stripe, Figma, Jira, Visual Studio, UiPath