

# Zhixuan Mike Wang

wangzhxn0@gmail.com — (678) 557-7161 — linkedin.com/in/zhixuanmw — github.com/mikewng — U.S. Citizen

## Education

---

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

August 2021 – December 2024

*Bachelor of Science in Computer Science*

3.67/4.00, Dean's List

**Relevant Courses:** Computer Architecture, Data Structures and Algorithms, Software Architecture and Design, NLP

## Experience

---

**Software Engineer**

October 2025 – Present

*DatascienceGT LLC*

Atlanta, GA

- Architected end-to-end pipelines using ReactJS, Python, LangGraph, and PostgreSQL for pharmaceutical-based clients
- Rewrote legacy AI pipelines to LangGraph infrastructure, reducing API processing from 60 to 10 minutes
- Identified bottlenecks in integration test suites and refactored mocking strategies, cutting CI pipeline runtime by 50%
- Deployed production applications on AWS with automated Github Actions CI/CD pipelines, cutting deployment time
- Fine-tuned Gemma 4 model on 10,000+ medical queries, powering semantical question generation for medical search

**Software Engineer**

May 2023 – July 2025

*Civic Digital Experience Inc.*

Atlanta, GA

- Developed and maintained client-facing web applications with ReactJS, .NET C#, MongoDB, and MySQL Server
- Delivered 8+ main client-facing features in ReactJS/.NET C# that reduced customer on-boarding time by 20%
- Investigated and resolved database synchronization issues between SQL and MongoDB, preventing mismatched records
- Designed and secured REST APIs with JWT authentication and role authorization, supporting multi-tenant data isolation
- Configured Azure DevOps CI/CD with staged deployments and automated rollback triggers, improving release reliability
- Refactored monolithic services into modular architecture with dependency injection, enabling unit testing with xUnit

**Undergraduate Research Lead**

January 2022 – April 2023

*Georgia Tech VIP: Art and AI Research*

Atlanta, GA

- Led a 3-member team to design an interactive image generation system using Python + Arduino hardware
- Built automated preprocessing pipelines for image training, improving dataset quality and experimentation cycles
- Optimized GAN training in high-performance clusters, reducing training from 4 days to less than 1 day

## Projects

---

**Gmail Filtering and Analysis Pipeline**

Current

- Building a serverless data pipeline using Python and AWS Lambda that parses job application emails and organizes them into structured CSV reports
- Implementing LLM-based email classification and scheduled Lambda triggers for automated daily ingestion

**Flashcard Engine with Spaced Repetition**

December 2025

- Built a full-stack flashcard platform with SM-2 spaced-repetition algorithms using ReactJS, FastAPI, and PostgreSQL
- Deployed on AWS Kubernetes with JWT-secured endpoints and Alembic migrations for zero-downtime schema updates

**Agentic Calendar Scheduler**

July 2025

- Developed an AI scheduling agent that books Google Calendar events via natural language in ReactJS + NestJS and OpenAI function calling
- Built real-time WebSocket layer for chat functionality; shipped a Chrome extension for quick access

## Skills

---

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

**Libraries & Frameworks:** React, .NET, FastAPI, LangGraph, NestJS, SQLAlchemy, Alembic, Entity Framework, Node.js

**Cloud & DevOps:** Amazon Web Services, Azure Cloud, CI/CD Pipelines, Git, GitHub Actions

**Data & Tools:** PostgreSQL, MongoDB, Kubernetes, Docker, xUnit, PyTest, PyLint, Claude Code, Codex

**Concepts:** MVC, Rest APIs, Microservices, Clean Architecture, AI/ML Fundamentals, CI/CD, DSA, Agile/Scrum

**Languages:** English, Chinese (Mandarin), Japanese