

# Gary Wu

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## PROFESSIONAL SUMMARY

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Software engineer with 3 years of experience leading cross-functional teams and managing Agile projects from planning to delivery. Skilled in stakeholder communication, risk mitigation, and driving complex initiatives on schedule. Pursuing a Master's in Computer Science to deepen expertise in large-scale systems and AI.

## EDUCATION

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**The University of Texas at Austin**, Austin, TX  
*Master of Science in Computer Science*

August 2025 – May 2027

**The University of Texas at Dallas**, Richardson, TX  
*Bachelor of Science in Computer Science*, GPA 3.95

August 2020 – May 2023

## EXPERIENCE

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**Lockheed Martin**, Fort Worth, TX  
*Backend Software Engineer*

June 2023 – July 2025

- Led a cross-functional team of 12 engineers as Scrum Master, overseeing the full Agile software development lifecycle. Directed strategic sprint planning, resource allocation, and communication with stakeholders for requirements gathering
- Implemented velocity tracking and automated workflow metrics using Jira and Confluence to improve communication and transparency across teams. Increased team velocity by 20%, enhancing collaboration and ensuring alignment on project goals
- Managed sprint releases and coordinated cross-team dependencies to proactively resolve blockers, enabling seamless continuous integration and continuous delivery (CI/CD)
- Designed and implemented high-performance, real-time sensor fusion algorithms in C++ for F-35 mission systems, enhancing situational awareness, system responsiveness, and computational efficiency
- Decomposed a monolithic system into independently deployable microservices using domain-driven design and gRPC-based communication. Containerized services with Podman and orchestrated deployments using Kubernetes, improving scalability and reducing deployment time by 40%

**Rocket Mortgage**, Detroit, MI  
*Software Engineer Intern*

May 2021 – August 2021, May 2022 – August 2022

- Engineered a robust RESTful API using the .NET framework, integrating AWS Step Functions, HireRight API, and multiple internal services to streamline the hiring and onboarding process, resulting in improved automation and a 30% reduction in manual HR tasks
- Implemented dynamic UI components in Angular, enhancing user experience by optimizing HTTP request handling and improving data rendering efficiency, which led to faster load times and a more responsive interface
- Led a summer internship project as a returning intern, gathering requirements, defining user stories, and managing task delegation to modernize legacy applications. Redesigned the UI to align with company rebranding, improving usability and overall user experience.

## PROJECTS

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### ChatDB

- Developed full-stack app (Angular + .NET Core) to auto-generate MongoDB queries via OpenAI API
- Enabled real-time analytics with async pipelines, boosting decision speed for end-users

### B+ Tree Implementation

- Built B+ Tree in C++ simulating database indexing to enable fast inserts, deletes, and range queries
- Improved query efficiency for ordered data in relational database scenarios

### The University of Texas Attendance App

- Developed Android app using Java and XML to authenticate student IDs and verify enrollment via backend API
- Optimized asynchronous I/O and UI threads to ensure smooth attendance tracking during classes

## SKILLS

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

**Tools & Technologies:** Git, Docker, Podman, Kubernetes, Jenkins, GitHub Actions, Jira, Confluence

**Testing:** JUnit, GTest, NUnit, Cucumber, Postman (API testing)

**Databases:** SQL, MongoDB, Firebase (Firestore / Realtime Database)

**Operating Systems:** Linux, Windows