

TIMOTHY WEAVER

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SUMMARY

Software Engineer with Bachelor of Science in Software Engineering (3.83 GPA) currently pursuing Master of Computer Science at Arizona State University. Successfully developed and deployed full-stack web applications including AI-powered video generation platform. 18+ years of business operations experience with proven leadership, problem-solving, and client relationship skills. US Army veteran.

EDUCATION

Master of Computer Science
Arizona State University, Tempe, AZ
Expected Graduation: December 2026
Currently Enrolled

Aug 2025 - Dec 2026

Bachelor of Science in Software Engineering
Arizona State University, Tempe, AZ
GPA: 3.83/4.0
Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Software Design Patterns, Database Management Systems, Computer Systems, Operating Systems

Jan 2021 - May 2025

TECHNICAL SKILLS

Programming Languages: Java, C++, JavaScript, Python, SQL, HTML, CSS
Frameworks and Libraries: Spring Boot, React, Node.js, Express.js, JUnit
Databases: PostgreSQL, MySQL, MongoDB
Tools and Technologies: Git, GitHub, Docker, Linux, Windows, Maven, npm
Methodologies: Agile, Scrum, Object-Oriented Design, Test-Driven Development, RESTful APIs

TECHNICAL PROJECTS

VidlyAi.Com - Video Generation Platform

DEC 2024 - Present

- Designed and developed full-stack AI video generation platform from concept to production
- Built RESTful API using Spring Boot with PostgreSQL database integration
- Implemented responsive React frontend with mobile-first design approach
- Integrated FFmpeg for server-side video processing with Ken Burns effects
- Deployed application using containerized architecture
- Implemented secure user authentication and authorization
- Currently conducting production testing and optimization

Field Day Project - Capstone (2024)

JUN 2024

- Developed animal identification system using Java and machine learning algorithms
- Implemented critical bug fixes improving system stability and performance
- Collaborated with team members using Git version control and Agile methodology
- Participated in daily stand-ups and sprint planning sessions
- Conducted code reviews and pair programming sessions
- Delivered project on time meeting all client requirements

PROFESSIONAL EXPERIENCE

Business Owner & Operator (2003 - 2020)

Strokers, Merced, CA

- Founded and managed successful motorcycle service business for 18 years
- Implemented digital inventory management and customer relationship systems
- Managed team of technicians and support staff
- Developed comprehensive training programs for technical excellence
- Built strong customer relationships and maintained high satisfaction ratings
- Coordinated with vendors and suppliers for parts and equipment

Clinical Engineer

1995 - 2002

Stanford University Hospital, Stanford, CA

- Maintained and repaired critical medical equipment ensuring optimal performance
- Previously served as Department Head at Mt. Zion Hospital, San Francisco, CA
- Implemented systematic preventive maintenance programs
- Collaborated with medical professionals on equipment optimization
- Managed equipment budgets and vendor relationships
- Ensured compliance with JCAHO and safety standards

MILITARY SERVICE

United States Army

- Served at Walter Reed Army Medical Center with Honorable Discharge
- Received two Army Achievement Medals for exceptional service
- Performed medical equipment maintenance and support duties