TYLER KLEIN
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EDUCATION

B.S. Computer Science / Cyber Security   Expected June 2027
Oregon State University, Corvallis, Oregon
Associate of Science Oregon Transfer, Computer Science   June 2025
Lane Community College, Eugene, Oregon
Associate of Science, Electronic Systems Technology   June 2018
Community College of the Air Force, Montgomery, Alabama

PROFESSIONAL EXPERIENCE

ML Systems Intern- Engineering   Jan. 2026 - Present
Analog Devices Inc, Corvallis, OR

- Created ML diagnostics system prototype, EM silicon transport track. To be installed in 6 global locations. This prevents $1.26M/hour per location in financial losses.
- Generated sensor idea design concept: authoring FMEA, decision matrix, BOM, and functional diagrams approved across mechanical, software, financial, and management teams. Saves 200/hrs.+/month.
- Initiated software Agile team sprint plan by member skillset--seamless workflow/completed in 8 weeks.
- Built data capture workflow that detects RMS dBm peaks/enables dataset collection across modules.
- Developed ML Python training pipeline using RF capture datasets; assigns cart health/notifies maintenance.

Skills: *Python, Signal Processing (FFT/MFCC/RMS), Machine Learning (scikit-learn), Acoustic Data Collection, Feature Engineering, Experimental Design, Data Modeling (ERD), Fault Detection, Trello/Agile*

CTO & Founder   Sep. 2024 - Dec. 2025
SirMrTyler Tech Solutions, Florence, OR

- Orchestrated a 6-county public-safety mobile app with users, schedule, reports, live messaging/notifications.
- Implemented OAuth, JWTs, & RBAC, lowering unauthorized access/account recovery attempts.
- Designed to modular component-based code structure, forging a scalable developer experience.
- Managed End-to-End requirements--juggling client communication, CI/CD, deadlines, and budget adherence.

Skills: *C#/.NET Core, SQL Server, React, Typescript, Authentication, Role-Based Access Control (RBAC), RESTful APIs, Cross-Platform Mobile Development (iOS/Android), System Architecture, CI/CD Pipeline, Agile*

Full Stack Software Engineer   Jan. 2023 - Jan. 2024
MoneFi Financial Technologies, Los Angeles, CA

- Built C#/.NET Core REST APIs for blog/content services (Postman), supporting 99.9% uptime.
- Developed knowledge hub SQL DB/Microservices. Used by full team, reduced query latency by ~45%.
- Formulated React UI (test-taking/admin) with Formik/Yup validation; improved processing speed 50%.
- Implemented role-based routing/auth UI; preventing unauthorized access and streamline admin vs user experiences

Skills: *C#/.NET Core, SQL Server, React, RESTful API Development, SQL, Database Optimization, Agile Scrum, Git VCS, Object-Oriented Programming (OOP), High-Traffic Web Applications*

LEADERSHIP EXPERIENCE

SATCOM Technician Team Lead   Sep. 2012 - Sep. 2018
United States Air Force, RAF Croughton, England

- Supervised 5-Airmen SATCOM shift. Oversaw management of 25+ Ku/X RF circuits. Ensured 98% network uptime, supported 800+ users across Europe, Africa, and Asia -> Awarded **Joint Service Achievement Medal (Secretary of Defense)**
- Constructed and organized daily group fitness programs for 80+ Airmen, achieving 98% PT test pass rate.