

JEREMIAH HERRING

✉ jeremherring@gmail.com — [in linkedin.com/in/jeremiahherring](https://www.linkedin.com/in/jeremiahherring) — github.com/jeremiahherring

EDUCATION

Georgia Institute of Technology

Master of Science in Computer Science, GPA: 3.87

Atlanta, GA

Expected Graduation: May 2027

California State University: Fullerton

Bachelor of Science in Computer Science

Fullerton, CA

Aug 2023 – May 2025

Bakersfield College

Associate of Science in Computer Science, Mathematics, Physics

Bakersfield, CA

Aug 2021 – May 2023

EXPERIENCE

Software Engineer Intern

Northrop Grumman

June 2025 - Current

Colorado Springs, CO

- Migrated backend systems from PHP to Django using Python and Docker, improving maintainability and backend performance
- Fixed bugs in dev and prod using Git, logging tools, and tests, improving stability and reducing deployment issues in production
- Containerized backend services with Docker and CI/CD, streamlining workflows and ensuring consistent deployments across envs
- Participated in agile sprints and code reviews using Git and Jira, improving collaboration and maintaining code quality across teams

Software Engineer Intern

Sandia National Labs

May 2024 – May 2025

Remote

- Created 15 automation scripts in Java and Python to streamline reverse engineering workflows, improving analysis speed by 30%
- Refactored a code comparison tool in TypeScript to support annotations, boosting team collaboration & overall code quality
- Developed Java plugins for Ghidra to improve bug and malware detection, increasing analysis speed and detection accuracy
- Fine-tuned a large language model using Hugging Face Transformers and PyTorch in Python with Jupyter notebooks on HPC clusters to classify 500+ project abstracts by sponsor interest, dramatically boosting throughput by 80% via distributed training

Software Reliability Engineer Intern

Meta

Jun 2024 – Sep 2024

Remote

- Collaborated with engineers on multiple projects and participated in weekly standups to debug issues and discuss blockers
- Built and open-sourced a Flask site using MySQL, Jinja, and Nginx, simplifying deployment and usability for other developers
- Automated testing and deployment pipelines with CI/CD and unittest frameworks, increasing development speed and code quality
- Configured Prometheus and Grafana to monitor containerized services, enabling real-time alerts and detailed performance tracking

PROJECTS

FullyHacks | TypeScript, Next.js, MongoDB, Docker, Kubernetes

- Led full-stack development with TypeScript, Next.js, and MongoDB, using load balancing to handle 1000+ applications smoothly
- Built scalable registration and submission features supporting 500+ active users, achieving a 95% project submission rate on time

MusicSpace | Python, Flask, Firebase, Spotify API

- Developed a Python Flask web app leveraging the Spotify API to connect users through a TikTok-style music feed interface
- Integrated Firebase for real-time database functionality and synchronization; project won Best Application award at hackathon

LEADERSHIP

Association of Computing Machinery

Software Developer and Team Lead

Aug 2023 - Present

Fullerton, CA

- Led ACM CSUF website maintenance supporting 500+ members and 30+ projects using GitHub version control for collaboration
- Hosted technical workshops to 30+ students weekly, teaching web frameworks, data structures & algorithms, and open-source
- Guided students troubleshooting web project issues, promoting problem-solving and debugging skills during interactive sessions
- Led GitHub projects using CI/CD pipelines, unit testing, and best practices for efficient merge conflict resolution and code review

TECHNICAL SKILLS

Languages: Python, Java, C/C++, C#, HTML/CSS, JavaScript, TypeScript, Haskell, PHP, SQL, Bash

Frameworks & Libraries: React, Angular, Node.js, Express, Flask, PHP, REST API, Figma

Tools: Linux, Git, Jenkins, Docker, Kubernetes, Prometheus, Grafana, Azure, MySQL, PostgreSQL, MongoDB