# Chad Leino

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**EDUCATION**

**Bachelor in Computer Engineering,** December 2026
The University of Alabama,Tuscaloosa, AL
Minor: Math
GPA: 3.09/4.00

- Relevant course work: Digital Logic, C++ programming, Microcomputers

**SKILLS**

- Programming: C++, Python, HTML/CSS, JavaScript
- Tools: Docker, Git/GitHub, LTspice, JupyterLab, PyTorch
- Systems/Networking: Linux (Ubuntu, bash, systemd), DHCP/DNS, cluster administration
- Concepts: Circuit analysis, machine learning (classification, data pipelines)

**WORK EXPERIENCE**

**Undergraduate Researcher / Head of Engineering,** UA CERN CMS Lab, Tuscaloosa, AL, Oct 2024 - Present

- Administer CMS server cluster, processed 5000+ jobs; managed networking, user access, and troubleshooting
- Write Python control scripts for a visual inspection machine, integrate stepper motors and a digital microscope
- Devise 1 kV high-voltage safety standards to ensure compliance and reduce lab risk
- Devise a dry air delivery system to reduce dewpoint below -60 degrees Celsius and protect sensitive chiller equipment
- Promotion to Head of Engineering at start of semester; lead team in designing technical systems, testing circuit boards, and enforcing safety procedures
- Write Python and Bash shell scripts to parse JSON files to extract relevant data
- Plot and present data concerning Voltage, Current, Power, and passing or failing tested boards

**Tutor,** Grade Potential Tutoring, Birmingham, AL, Sep 2024 - Apr 2025

- Tutored students in Calculus, Physics, and Computer Science, reinforcing problem-solving and analytical skills
- Adapted teaching strategies to different learning styles, improving student performance and retention

**PROJECTS**

Personal Website, HTML, CSS, JavaScript, and GitHub Pages

- ThinCalligrapher.github.io
- Design and deploy a personal website with GitHub Pages
- Implement responsive layout with HTML/CSS and interactive elements with JavaScript

Dockerized Machine Learning Project, Python, Pytorch, Docker, JupyterLab

- https://github.com/ThinCalligrapher/mnist-docker
- Built and containerized a machine learning classifier with PyTorch for reproducible training
- Configured Docker environment to streamline dependency management and portability

**EXTRA-CURRICULARS**

Member, Precision Timing and Navigation Club, Sept 2024 - Present

- Engaged in discussions on time, physics, and engineering applications
- Gave presentations on current work in timing as is relates to CERN
- Collaborated in research experiments in GPS, RTK corrections, and NTRIP casting

Member, The University of Alabama REACH, Aug 2024 - Present

- Held meetings to discuss impact of diverse backgrounds on college experiences