

# Griffin Hill

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## Objective

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Motivated junior at the University of Oklahoma pursuing a degree in Computer Engineering, seeking a Summer 2026 internship to apply knowledge and develop professional skills in CE-related fields. Equipped academic with hands-on experience in programming, hardware systems, and problem-solving through educational projects and personal endeavors. I am adept at collaborating in team environments and driven to apply engineering principles to innovative solutions. Eager to contribute technical skills in hardware development, system design, embedded systems, and computer architecture to create impactful technological advancements.

## Education

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### Bachelor of Science in Computer Engineering, Minor in Computer Science and Mathematics

The University of Oklahoma | Norman, OK

Expected Graduation: December 2026

#### Relevant Course Work

- Abstract Linear Algebra; Discrete Mathematics; Microprocessor System Design; Signals and Systems; Electronics Laboratory; Data Structures; Digital Signals and Filtering; and Microelectronics.

#### Projects

- Analog Electric PID Controller to Simulate Cruise Control: Designed and implemented an analog PID controller to simulate automotive cruise control, using op-amps, PID feedback, and a DC motor to regulate speed under varying loads.
- PCB Zener Diode Voltage Regulator: Designed and tested a PCB voltage regulator using Zener diodes to deliver a stable 5 V output, including schematic design (Multisim), breadboard testing, measurement verification (DMM/oscilloscope), PCB layout (EAGLE), assembly, and documentation.

## Technical Skills

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|---|---|
| - C/C++, Java, MATLAB, HTML/CSS (basic) | - Data structures/algorithms, complexity, finite-state machines |
| - ARM Cortex-M & Mbed OS                | - Computer hardware assembly                                    |
| - EAGLE/Autodesk Fusion                 | - DMM, Logic analyzer, & Oscilloscope                           |
| - Circuit analysis & design             |   |

## Work Experience

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Geek Squad Consultation Agent | Norman, OK

June 2025 – Present

- Apple Authorized Service Provider: AST 2 diagnostics, RMA/warranty eligibility, privacy & consent
- Communication: Technical translation for non-engineers, escalation, & documentation

## Extracurricular Activities

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Vice President – Phi Delta Theta, Oklahoma Alpha

January 2024 – December 2024

- Led a team of executive officers to coordinate daily operations to ensure alignment of goals and values.
- Oversaw chapter initiatives & execution of chapter meetings, committees, & philanthropic activities.

Treasurer – Phi Delta Theta, Oklahoma Alpha

January 2024 – December 2024

- Managed finances, budgeted, and financial reports of an estimated budget of \$1.1 million
- Worked to allocate funds for events, philanthropic activities, & chapter development

Alumni Chair – Phi Delta Theta, Oklahoma Alpha

January 2025 – December 2025

- Organized fundraising campaigns securing financial support to improve facilities & fund scholarships