Camryn Graham

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EDUCATION

Texas A&M University - College of Engineering **Aug 2024 - Present**
BS, Computer Science (Expected 2027) *College Station, TX*
- 3.42/4.0 GPA

Lone Star College **Aug 2022 - May 2024**
- President's List - 2022, 2023; 3.91/4.0 GPA *Kingwood, TX*

SKILLS

- **Languages:** C++, Java, JavaScript/TypeScript, COBOL, SQL, HTML/CSS
- **Frameworks:** React.js, Node.js, Express.js, Next.js, Tailwind CSS
- **Tools & Technologies**: Git/GitHub, PostgreSQL, Vercel, Linux, RESTful APIs

WORK EXPERIENCE

Reynolds & Reynolds
Software Development Intern | *Houston, TX* **Summer 2025**
- Developed and delivered 7 accounting system screens in COBOL
- Implemented CRUD operations with concurrency logic to manage client records, ensuring reliable and accurate data handling.
- Modernized legacy interfaces by streamlining data entry and improving usability for internal financial systems.
- Quickly learned COBOL and adapted to proprietary company standards, reducing code review revisions and increasing efficiency over the internship.

Manufacturing Assistant | *College Station, TX* **Sept 2024 – Present**
- Work part-time while maintaining full-time course load

PROJECTS

Chess Engine | React.js, Minimax Algorithm, Alpha-Beta Pruning **GitHub:** Repo | **Live:** Demo
- Built a functional chess engine with computer opponent using a minimax algorithm and alpha-beta pruning for improved efficiency
- Implemented 8x8 matrix board state with move validation for every piece and adjustable opponent difficulty (depth 4-6) for varying skill levels

Piston Simulation | C++, Verlet Integration, Raylib **GitHub:** Piston Simulation
- Developed a real-time physics simulation of a piston engine using Verlet integration for accuracy and stability
- Implemented high-frequency physics updates (1000Hz) to maintain constraint stability at high RPM while rendering at 60 FPS for smooth visuals

POS System | React.js, Node.js/Express, PostgreSQL **Live:** POS Demo
- Developed a full-stack POS system using an agile work environment with a team of 5
- Built responsive frontend with React with a component-based structure and state management for the cart
- Developed RESTful APIs using Node.js/Express handling real-time order processing and user authentication