MAX HEITZMAN

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EDUCATION

Texas Tech University — Lubbock, TX
B.S. Computer Science, Minor in Mathematics — *Expected: Dec 2025*

EXPERIENCE

Sales Associate – Concert Merchandising — Jun 2020 – Present
River City Merchandising — *Nationwide*
- Supported high-volume sales operations at live events across multiple venues.
- Handled cash, POS systems, inventory management, and upselling under pressure.
- Developed excellent customer service and interpersonal skills in fast-paced environments.

IT Assistant — Jun 2018 – Oct 2019
Texas Neurology, PA — *Dallas, TX*
- Assisted with digitization of sensitive medical records and data entry.
- Supported small-scale tech tasks and IT system organization.

Food Service Provider — Summer 2017
Lakewood Country Club — *Dallas, TX*
- Performed front-line service and closing procedures in a high-traffic environment.
- Learned to manage fast customer flow while maintaining service quality.

PROJECTS

Multiprocessor Cellular Automaton Simulator — Apr 2025
Python — Parallel Programming — *GitHub*
- Built a two-phase simulator that evolves matrix state based on symbolic rules.
- Phase 1: Single-threaded prototype used to validate rules and logic.
- Phase 2: Implemented parallel processing with Python's multiprocessing module.

Syntax Parser — Mar 2025
C — Compiler Design — *GitHub*
- Built a recursive descent parser that validates grammar rules using BNF.
- Reads from a custom token stream generated by a lexical analyzer.

Lexical Analyzer — Feb 2025
C — Language Processing — *GitHub*
- Scans and classifies lexemes as keywords, identifiers, literals, or operators.
- Handles syntax edge cases and symbolic character streams.

TECHNICAL SKILLS

Languages: C, Python, Java
Tools: Git, VS Code, Overleaf, MobaXterm, Eclipse, Code::Blocks, PyCharm
Concepts: Lexical Analysis, Parsing, Recursion, Multiprocessing, Customer Experience

ORGANIZATIONS

Google Developer Student Club (GDSC) — Aug 2023 – Present
Member, Texas Tech University

Association for Computing Machinery (ACM) — Aug 2023 – Present
Member, Texas Tech University

VOLUNTEER EXPERIENCE

Volunteer Sales & Support Assistant — Summer 2022
Disabled American Veterans Thrift Store — *Dallas, TX*
- Contributed 120+ hours assisting customers, organizing inventory, and supporting retail displays.
- Strengthened communication and interpersonal skills while serving diverse community members.

Student Support Volunteer — Aug 2018 – May 2019
Apollo Junior High School — *Richardson, TX*
- Provided in-class support for students with disabilities to foster inclusive learning.
- Developed patience and adaptability while assisting with learning tasks and peer engagement.