Graysen Gould

Lubbock, Texas 79410 | 432-294-1663 | graysenngould@gmail.com
linkedin.com/in/graysengould | github.com/GraysenGould

Education

Texas Tech University - Honors, Lubbock, TX GPA: 4.0
Bachelor of Science in Computer Science *Expected Dec. 2026*

- **Awards**: President's List, Presidential Merit Scholarship
- **Involvement**: Google Developers Student Club, Association for Computing Machinery, CodePath
- **Relevant Coursework**: Computational Thinking with Data Science, C-Programming, Programming Principles, Linear Algebra, Modern Digital System Design

Experience

Walsh & Watts, Odessa, TX June 2024 - Aug. 2024
Production Data Analyst Intern

- Automated the time intensive process of creating excel graphs for over 600 oil wells with Power BI and the DAX query language; developed novel insights into business operations
- Queried and processed over 2 million rows of data by leveraging an ETL pipeline with Snowflake and Power Query
- Collaborated with over 40 Lease Operators to verify accurate data entry for over 150 oil leases
- Diagnosed and resolved misconfigured calculation networks for over 30 oil leases, ensuring proper reporting of oil, water, and gas production

The Texan Stores, Monahans, TX May 2023 - Aug. 2023
Cashier and Cook

- Ensured store efficiency through organization while effectively resolving customer inquiries
- Trained 3 new employees according to company policies and procedures

Projects

Intern Bridge | *Python, Flask, Bootstrap, OpenAI API* Dec. 2024 - Present

- Designed and built a full-stack web application using Flask to assist students in preparing for internship interviews
- Integrated the OpenAI API to generate custom interview questions and offer real-time feedback on responses
- Crafted a responsive and lightweight front end using Bootstrap, ensuring a fast, user-friendly interface

Instrument Calibration Project | *Pandas, Scikit-Learn, Matplotlib* Dec. 2024

- Applied regression models using Scikit-Learn to calibrate pressure transducer data to improve accuracy of readings
- Leveraged Matplotlib to create visualizations to provide insights and clearly communicate results
- Designed and implemented an automated interface in Python to take new voltage readings and automatically update prediction models

Technical Skills

Languages: Python, SQL (MySQL), C, JavaScript, Bash
Frameworks and Tools: Slurm, MPI, OpenMP, Flask, Node.js
Developer Tools: Linux CLI, Git, GitHub, VS Code, Vim
Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn
Concepts: Linux Environments, High Performance Computing, Object-Oriented Programming, Data Manipulation
Microsoft Office: Power BI, Power Query, Excel

Involvement

Winter Invitational Cluster Competition | *Bash, MPI, OpenMP, C, Slurm* Jan. 2025 - Present

- Improved Laplace Transform Solver C kernel single node execution speed by over 700% with OpenMP
- Enhanced HPCG Benchmark performance by over 13% through slurm thread pinning and node memory management; optimized MPI configurations and compilation flags for highest performance
- Automated HPC benchmark testing using Bash scripts, streamlining the process