

ALEXYS OCEGUEDA CASTRO

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EDUCATION

Wayne State College

Bachelor of Science in Computer Science

Wayne, NE

HONORS

Hispanic Scholarship Fund

Empowers students by providing support services, scholarships, and informative webinars

San Francisco, CA

Alumni

SKILLS

Technical: Python, SQL (PostgreSQL, MySQL), Excel, Linux

Research: Web scraping (beautifulsoup, Spider), NLTK

Developer Tools: Git, Github, GraphQL, Vim

EXPERIENCE

Retail Production Associate

Apr 2025 – July 2025

Thrift World

Omaha, Nebraska

- Accurately inspected and priced 1,000+ clothing items daily, identifying damage under 30-minute cycles.
- Handled data logs and inventory records with accuracy during high-volume donation processing.
- Interpreted for Spanish speaking coworkers and customers to ensure quick resolutions.

Technician (1 Month Contract)

Apr 2024 – May 2024

Rebnord Technologies

Storm Lake, IA

- Assisted in the setup and calibration of electrical systems, security infrastructure, and server hardware, maintaining strict adherence to safety standards.
- Conducted diagnostic tests and routine maintenance to optimize technical equipment performance.
- Followed documentation and procedural protocols with senior staff to install and configure server systems.

Software Engineer Intern

Jan 2023 – May 2023

Daycos, inc

Remote

- Participated in code reviews to ensure high-quality and reproducible results across collaborative projects.
- Conducted independent development tasks under minimal supervision to ease workload for supervisors.
- Migrated database queries from SQL to GraphQL, enhancing data retrieval for analytical and reporting tasks.

PROJECTS

Conway's Game of Life Simulation | [Google Sheets](#), [App Script](#), [Spreadsheet Automation](#) | [Demo](#)

- Built an automated simulation of Conway's Game of Life in Google Sheets with a clean 17x17 grid and click-to-update functionality via App Script.
- Implemented using spreadsheet formulas and script-based triggers to simulate cellular generation cycles.
- Included tick counter, moving patterns (e.g., glider), and abstracted logic functions to ensure reusability.

Others:

- Phobia API Web Crawler** | [Website](#) [GitHub](#) — Automated data extraction and Natural Language Processing (NLP) summarization of psychological condition data. 380+ views each month with no advertising.
- Climate Change Data Analysis Website** | [Website](#) [GitHub](#) — Cleaned global climate datasets from NASA and NOAA into a database with a dashboard and website to showcase new insights taken from it.