

# ALEXYS OCEGUEDA CASTRO

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## EDUCATION

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### Wayne State College

Bachelor of Science in Computer Science

Wayne, NE

## HONORS

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### Hispanic Scholarship Fund

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

San Francisco, CA

Alumni

## SKILLS

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**Technical:** Python, SQL (PostgreSQL, MySQL), HTML, CSS, JavaScript, Excel, Linux

**Research:** Web scraping (beautifulsoup, Spider), NLTK

**Developer Tools:** Git, Github, GraphQL, Vim

## EXPERIENCE

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### Retail Production Associate

Thrift World

Apr 2025 – July 2025

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)

Rebnord Technologies

Apr 2024 – May 2024

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

Daycos, inc

Jan 2023 – May 2023

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

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### 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](#) — Developed and deployed a Phobia API that achieved organic growth to 580+ MAU (Monthly Active Users) with zero marketing spend, maintaining 99% uptime over two years on PythonAnywhere.
- **Self-Canvas** | [Website](#) [GitHub](#) — Built a centralized learning platform unifying resources from MIT OpenCourseWare, Coursera, and edX for self-directed learners.
- **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.