

# Alex Ocegueda Castro

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## EDUCATION

### Wayne State College

*Bachelor of Science in Computer Science*

Wayne, NE

*Aug. 2019 – May 2023*

## HONORS

### Hispanic Scholarship Fund, Alumni

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

San Francisco, CA

*Aug. 2021 – Present*

### Dean's List

*GPA: 3.4*

Wayne, NE

*Aug. 2021 – May 2023*

## TECHNICAL SKILLS

**Languages:** JavaScript, HTML, CSS, Python, SQL (Postgres, MySQL), Java, C#, VB.NET

**Frameworks and Libraries:** Selenium, React, Node.js, Gatsby, BeautifulSoup, tKinter, PyQt5, JQuery, Bootstrap

**Developer Tools:** Git, RestAPIs, GraphQL, Azure, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

## EXPERIENCE

### Technician (1 Month Contract)

*Rebnord Technologies*

Apr 2024 – May 2024

*Storm Lake, IA*

- Assisted in the installation and setup of various systems and equipment, ensuring adherence to established guidelines and procedures.
- Conducted routine maintenance tasks to optimize system performance and resolve technical issues promptly.
- Collaborated effectively with senior technicians to complete installations and projects on schedule and within budget, prioritizing safety and quality standards.

### Software Engineer Intern

*Daycos, inc*

Jan 2023 – May 2023

*Remote*

- Successfully completed comprehensive training, involving pair programming tasks, introduction to agile workflows, and active participation in meetings.
- Collaborated on user-centric feature design enhancing software functionality and user experience.
- Demonstrated independent work capabilities by adhering to stringent security protocols while working remotely.

## PROJECTS

### Phobia API w/ Web Crawler | *Flask, Python, SQLite3, Selenium, JSON, Beautiful Soup, NLTK* | [Github](#) | [Website](#)

- Pioneered the creation of a dynamic API for an extensive Phobia Database of over 100 phobias, empowering users to explore in-depth insights into phobia symptoms and treatment methodologies.
- Gathered data using Web automation tool that crawls 28 pages of diseases extracting relevant headings, lists, and paragraphs associated with phobias.
- Employed Natural Language Processing (NLP) techniques to intelligently rank and extract the top 5% of sentences, which contributed to summaries included in the Phobia database.

### RuneScape Speedrun Plugin | *Java, Swing* | [Github](#)

- Helped the development of a open-source project enhancing player experience through a UI built with Java Swing
- Demonstrated Object-Oriented Programming skills by promoting maintainability and code reusability.
- Took initiative to contribute to creating valuable tools specifically designed to assist players in speedrunning quests

### Animal Shelter Quiz Website | *React, Firebase RealTime Database, Firebase Authentication* | [Github](#)

- Provides variety of resources on care tips, adoption process, and yearly fees of a pet to ensure proper homing.
- Utilizes Firebase Realtime Database to manipulate Dog-related data, enhancing performance, and user experience.
- Implemented a user-friendly filter system enabling users to customize their dog preferences.

## REFERENCES

### Tim Rebnord

*Senior Technician*

Rebnord Technologies

*(712) 299 - 4011*