

Hector Alexanderson

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EDUCATION

CETYS University

Bachelor's Degree in Computer Science Engineering

Mexicali, Baja California

Aug 2020 – Jun 2024

- **GPA:** 3.8 / 4.0; 9.7 / 10
- **Honors:** Cum Laude
- **Relevant Coursework:** Database Development, Data Science, Network Security, Computer Architecture

WORK & LEADERSHIP EXPERIENCE

Auto Aire California

Web Developer

Dec 2024 – Feb 2025

- Designed and prototyped an interactive webpage structure in Figma for clear owner presentation.
- Developed a responsive and dynamic landing page using React and Tailwind CSS.
- Implemented custom domain using cPanel hosted by Xpress Hosting.
- Collaborated with owners to align design elements with personal choices.

Proyecto Xocolate

Full-Stack Developer, POS Development Team Jan 2024 – Jun 2024

- Led a team of developers in creating and supporting a prototype Point of Sales System.
- Architected and proposed a new database structure, optimizing data flow and storage.
- Developed both Front-End and Back-End components utilizing React.
- Implemented new stored procedures and triggers within a PostgreSQL database to enhance system functionality.

Santinos Digital

Web Developer, Innovation & Design Team

May 2023 – Aug 2023

- Developed a WordPress landing page to boost digital presence.
- Built a ChatGPT powered chatbot for automating customer interactions using Chatfuel.
- Assisted in the automation of analytics reports using dashboards and webhooks.

PROJECTS

Crime and Poverty Correlation Analysis—Mexico and the United States

Python, Power BI, Excel

- Analyzed the correlation between crime and poverty in Mexico and the U.S. (2010–2020).
- Cleaned and analyzed datasets on population, poverty, and crime cases per 100,000 inhabitants using Python and Excel.
- Visualized findings with heatmap created in Power BI to highlight regional trends.

TECHNICAL SKILLS

- **Platforms & OS:** Windows, Windows Server, Linux (Ubuntu/CentOS), VMWare
- **Languages:** Python, SQL, Java, JavaScript, TypeScript, HTML/CSS, Kotlin, R, C/C++
- **Frameworks:** React.js, Node.js, Express.js, Angular, Tailwind CSS, Bootstrap
- **Databases:** PostgreSQL, MySQL, MongoDB, BigQuery
- **Cloud Services:** Firebase, Google Cloud Platform, Snowflake
- **Tools & Libraries:** Power BI, Excel, RxJava, Retrofit, Git, WordPress, Figma