

# JESSE HERNANDEZ-TOVAR

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## EDUCATION

**University of California, Merced** | Merced, CA  
Bachelor of Science, Computer Science & Engineering

Expected Fall 2025

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## PROFESSIONAL EXPERIENCE

Merced, CA

**The University of California Basic Needs Center** | Web/App Support Lead | July 2022 – Present

- Conducting extensive testing and design upgrades while adhering to web development rules and guaranteeing cross-browser compatibility. Integrated multimedia components successfully to generate compelling content, resulting in a better user experience.
- Enhancing the usability of the Basic Needs website by integrating student navigation with UI design.

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**The University of California Student First Center** | Enrollment Coach | March, 2023 – August, 2023

- Guided 55 formally accepted students through the enrollment process and matched them with appropriate opportunities, resulting in a seamless and successful enrollment experience.
- Maintained strict confidentiality and demonstrated multicultural competencies to effectively work with diverse populations

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**Reedley College Upward Bound** | Summer Teacher Assistant / Instructor | June, 2022 – July, 2022

- Taught first generation high school students how to solder, connect wires, cut PVC pipes, and build controllers manually, resulting in all successful construction of fully functional robots tested at the pools.
- Led a team in developing a new curriculum for S.T.E.M classes, which resulted in increased funding for future programs due to the success of the robots built by the students.

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## LEADERSHIP & PROFESSIONAL DEVELOPMENT

**Management Leadership for Tomorrow** | Career prep Fellow | March, 2023 – Present

- Selected among thousands of high-achieving applicants to participate in this Career Preparation program focused on professional and leadership development.
- Complete business case studies and assignments to hone analytical, quantitative technical skills.
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, Clorox, and Target.

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## SKILLS

**Languages:** HTML, CSS, Python, C++, JavaScript

**Certificates:** Forage-Datcom

**Developer Tools:** Steam plug/Visual Studio,

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## ADDITIONAL PROJECTS

December, 2024

**Bobcat Bites** | <https://vargas31.pythonanywhere.com/> |

- A web application designed for UC Merced students to maximize the use of food pantry ingredients by generating personalized recipes. The platform aims to enhance food accessibility and promote culinary creativity among students.
- **Technologies:** Python, Flask, SQLAlchemy, HTML, CSS, JavaScript