

WILLIAM JOEL SANDOVAL CASAS

Pittsburgh, PA | +1(412) 995-8889 | sandoval.williamj@pitt.edu | linkedin.com/in/wjs-c | GitHub: sandoval-williamj

EDUCATION

University of Pittsburgh, Swanson School of Engineering, Frederick Honors College **GPA: 3.45/4.00**
Bachelor of Science in Computer Engineering, Minors in Computer Science and German Language **Expected April 2027**

RELEVANT COURSEWORK

University of Pittsburgh **Pittsburgh, PA**
ENGR 0712: Honors Advanced Engineering Applications for Freshman **January 2024-Present**

- Develop computer programs using various programming languages to solve abstract problems.
- Compose six research papers with findings on specific topics utilizing created visuals from computer-generated data.
- Collaborate with peers to analyze data and derive patterns on assignments.

ENGR 0711: Honors Engineering Analysis and Computing **August 2023-December 2023**

- Utilized key mechanics from MATLAB and C to solve engineering-related problems.
- Led a project in a team of three to develop terminal-based board games using C.

KEY SKILLS AND COMPETENCIES

- Familiar with Java, MATLAB, C, Python, and Bash
- Knowledgeable in Git; GitLab and GitHub
- Windows and Ubuntu Linux development environments
- VS Code
- Experience in Microsoft Office; Excel, Word, PowerPoint, Outlook, and Teams
- Native speaker in Spanish, fluent in English, strong proficiency in German, and beginner skills in Korean

WORK EXPERIENCE

Target Corporation **Pittsburgh, PA**
Guest Advocate **October 2022-June 2023**

- Maintained self-checkout machines to ensure smooth operation and helped team members with technological issues.
- Captained the curbside express team and worked in a team of eight to deliver curbside orders efficiently.
- Enhanced guests' experiences based on dozens of positive surveys.

EDUCATIONAL INTERNATIONAL EXPERIENCE

Congress Bundestag Youth-Exchange (CBYX) **Stendal, Germany**
Selected finalist & scholarship recipient **August 2021-June 2022**

- Studied abroad in Germany during 11th grade to advance language proficiency in a foreign environment.
- Met with German government officials to advocate for the continuation of the CBYX Department of State program.

EXTRACURRICULAR & LEADERSHIP EXPERIENCE

Institute of Electrical and Electronics Engineers (IEEE) **Pittsburgh, PA**
Active Member **January 2024-Present**

- Network with electrical and computer engineering students through social and educational events.
- Attend company visits to attain a deeper understanding of computer engineering topics in the field.
- Connect with computer engineering faculty to learn about future research assistant opportunities.

Society of Hispanic Professional Engineers (SHPE) **Pittsburgh, PA**
Freshman Chair **October 2023-Present**

- Organize a General Body Meeting every semester.
- Assist the club president in planning weekly events.
- Educate elementary school students in Computer Engineering topics through interactive activities and experiments.

HONORS AND AWARDS

Swanson School of Engineering Fall 2023 Term Honors – Student Honoree **February 2024**
Joseph P. Wiegand Family Scholarship in the Frederick Honors College – Scholarship recipient **January 2024**
Mount Lebanon High School Highest Honor Roll – Student Honoree **June 2023**
Leo and Marie Russell Scholarship – Scholarship recipient **May 2023**
Timothy C. Kenney Scholarship – Scholarship recipient **May 2023**
Cum Laude Society – Student Honoree **March 2023**
Cathedral of Learning Achievement Scholarship – Scholarship recipient **January 2023**