

# CARLES PASCUET CUESTA

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## EDUCATION

### Purdue University | West Lafayette, IN

December 2025

- Bachelor of Science in Mechanical Engineering.
- Minor in Business Economics | Certificate in Entrepreneurship & Innovation.

## EXPERIENCE

### Amazon | Miami, FL

May 2025 – July 2025

#### Operations Engineer Intern

- Led comprehensive transshipment optimization project at MIA1 facility, managing operations handling 130,000 units daily and coordinating between multiple fulfillment centers across the southeastern United States distribution network.
- Designed and implemented three-pillar optimization strategy including a floor reorganization with QR-coded staging locations, standardized associate training programs, and AI-driven staffing optimization tools.
- Developed innovative staffing optimization application using predictive analytics and historical data to improve resource allocation, reducing overstaffing by 3% and understaffing by 5% while enhancing lane distribution efficiency by 8%.
- Delivered measurable operational improvements through process enhancement, achieving projected annual cost savings of \$169,000 through reduced movement time, improved system utilization, and optimized resource management.

### Amazon | Kansas City, KS

May 2024 – July 2024

#### Area Project Manager Intern

- Managed and led a team of 100 hourly associates in a fast-paced production warehouse environment, focusing on motivation, coaching, and engagement to meet weekly metric goals.
- Took ownership of departmental operations within the supply chain, managing areas such as receiving, stowing, picking, packing, sorting, and shipping, and making impactful decisions in a dynamic environment.
- Developed a project that analyzed and optimized package handling processes. Involving the implementation of visual stimuli organization, and new coaching methods. This resulted in a projected 2% improvement in station throughput, translating to over 1,000 additional packages handled daily.

### Talgo | Madrid, Spain

May 2023 – August 2023

#### Systems Engineer Intern

- Conducted and managed regular factory visits to inspect specific components from suppliers, ensuring compliance with European quality standards and enhancing the reliability of train systems.
- Performed essential calculations related to train braking systems, calculations relating braking power and distance needed to stop. Contributing to the precision and safety of these critical components during testing and operation.
- Contributed to CAD part optimization and design, improving the efficiency and performance of the HVAC components.
- Managed document uploads and organization in information management systems like SAP and Team Center, streamlining data access for the Mechanical Systems team.
- Created comprehensive schematics in Visio for brake and emergency handle systems for the entire train composition, enhancing design, manufacturing, and maintenance processes.

## ACTIVITIES & VOLUNTEERING

### Phi Kappa Psi Fraternity | West Lafayette, IN

January 2022 – Present

#### Member

- Coordinated a range of impactful volunteering initiatives, including car wash fundraisers and awareness campaigns aimed at combating distracted driving.

### AINA Summer Camp | Andorra

June 2021- Present

#### Instructor

- Organized and oversaw a group of instructors and a hundred children in a mountain summer camp, handling logistics for camp routes, activities, and schedules, ensuring a safe and enjoyable experience for all participants.

## SKILLS

### Languages

- English: Native
- Spanish: Native
- French: Full Proficiency
- Catalan: Native

### Design, Programming & Data Management

- NX & SolidWorks
- C & MATLAB
- Microsoft Office
- SAP & Team Center