

JARED W. CHOATE

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PROFESSIONAL SUMMARY

I am an Industrial Engineering student at the University of Central Florida with a strong interest in workforce analytics, labor optimization, and operations within theme park environments. Experienced in simulation modeling, data analysis, and process optimization to support data-driven staffing and operational decisions. Proven team leader with a passion for improving systems that enhance workforce effectiveness and guest experience.

EDUCATION

Bachelor of Science in Industrial Engineering and Management University of Central Florida	Expected May 2027 Orlando, FL
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CERTIFICATIONS

Adobe Certified Associate in Visual Design (<i>Credential ID: 2DHo-XM7X</i>)	May 2019
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SKILLS AND KNOWLEDGE

Adobe Creative Suite | Toon Boom Harmony | SIMIO System Simulation | Microsoft Office Suite | Python | C | Microsoft Excel

RESEARCH AND EXPERIENCE

Manufacturing Systems Optimization <i>Team Lead - UCF</i>	Orlando, FL May 2025-Aug. 2025
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- Built discrete-event simulation models to analyze system capacity, throughput, and resource utilization
- Conducted time-based analysis to identify bottlenecks and optimize staffing and process flow
- Improved operational efficiency by reducing cycle time by 30 seconds per unit
- Translated analytical findings into actionable recommendations through presentations and reports

Aircraft Carrier Facility Planning Design <i>Team Member - UCF</i>	Orlando, FL May 2025-Aug. 2025
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- Analyzed facility layout requirements to support large-scale, resource-constrained operations
- Identified and planned labor, equipment, and material requirements to ensure readiness and efficiency
- Evaluated tradeoffs between staffing levels, space utilization, and operational flow to support sustained operations
- Developed a scalable planning framework applicable to complex environments with diverse workforce needs
- Contributed to documentation and presentations translating technical planning concepts to non-technical stakeholders

Human-Robot Interaction Research Group <i>Undergraduate Researcher - UCF</i>	Orlando, FL Sep. 2025-Dec. 2025
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- Collected, cleaned, and analyzed experimental data to evaluate human behavior and system interactions
- Supported hypothesis testing and statistical analysis to assess performance, safety, and predictability outcomes
- Collaborated with interdisciplinary teams to translate research findings into actionable design recommendations
- Gained experience communicating analytical insights to both technical and non-technical audiences
- Applied data-driven thinking to improve system reliability and human-centered operational design

Predictive Artificial Intelligence Training <i>Team Member - UCF</i>	Orlando, FL Aug. 2025-Dec.2025
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- Trained, evaluated, and optimized predictive models using real-world datasets for employee retention

- Conducted model benchmarking and performance comparison across five models
- Communicated model insights, tradeoffs, and recommendations through reports and presentations

LEADERSHIP AND INVOLVEMENT

UCF Marching Knights

Orlando, FL

Bass Drum/Cymbals

Aug. 2023 – Dec. 2025

- Performed in high-visibility settings, including the opening of Disney's Magical Christmas Day Parade (Nov. 2024).
- Collaborated with large, diverse teams in high-pressure, guest-facing environments, reinforcing clear communication, timing, and coordination
- Served as a peer mentor to new percussion members, providing guidance on performance expectations and time management.
- Assisted with game-day logistics and took part in extended outdoor rehearsals and performances during football season, building stamina and focus while withstanding Florida weather conditions.
- Featured in Universal Studios' *Ant & Dec's Saturday Night Takeaway* Season Finale (Apr. 2023), performing live for an international television audience.
- Showcased performance endurance and professionalism by marching through Universal Studios Florida in a high-energy televised event.

Student Government

Naples, FL

Secretary/Member

Sep. 2018 – Mar. 2022

- Organized and recorded meeting minutes, maintained records, and coordinated communication between student leaders and administration.
- Supported planning for school-wide events and student engagement initiatives.
- Participated in student-led decision-making to improve school culture and support community outreach events

Palmetto Ridge Marching Band

Naples, FL

Leadership Training

Aug. 2019 – May 2022

- Mentored new members on musical routines and marching techniques.
- Assisted with logistical setup for performances and competitions, reinforcing organizational and peer leadership skills.
- Coordinated sectional rehearsals to improve overall band cohesion and performance.
- Served as a liaison between student leaders and band directors to ensure smooth communication and event planning.

Boy Scouts of America

Naples, FL

Leadership Training

Mar. 2016 – Sep. 2019

- Completed structured leadership development focused on team-building, communication, and ethical decision-making.
- Led patrol-level activities and supported event coordination.

Youth Leadership Training

Feb. 2016 – Sep. 2019

- Facilitated skill-building workshops and outdoor leadership exercises for younger scouts.
- Promoted a positive, inclusive team environment in diverse group settings.

Summer Camp Volunteer Staff

Jun. 2016 – Jul. 2016

- Assisted in organizing and supervising outdoor activities for over 100 campers.
 - Ensured camper safety, encouraged participation, and supported daily operations.
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