

adambaille

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education

2021 - 2022 **Thayer School of Engineering @ Dartmouth** Hanover, NH
Bachelor of Engineering - Mechanical Design & Control Concentration

Awards:

- Citation for Outstanding Performance as a Teaching Assistant - Solid Mechanics (Winter 2022) & Computer-Aided Manufacturing & Design (Spring 2022)

2014 - 2018 **Dartmouth College** Hanover, NH
Bachelor of Arts in Engineering Sciences; Minor in Human Centered Design

Awards:

- Dean of the College: Legacy Award - Presented to 20 graduating students for impact on the overall College. recognizing outstanding involvement and leadership.
- Collis Center for Student Life - Excellence in Student Involvement - Presented to 5 students in recognition of efforts towards student programming.

technical competencies & memberships

Industry Experience: Machine Vision / Artificial Intelligence Systems; Attraction CCTV Surveillance; Technical & Operations Documentation; Technical Project Management; Safety Auditing; Ride Motion Protection

Industry Memberships: IAAPA; TEA; ASTM F24 Committee (Former Student Member)

Specialty Software: Q-SYS Designer; Alcorn McBride WinScript; Maximo (Computerized Maintenance Management System); Oracle Primavera Unifier

General Computing: Network Architecture; Microsoft Office; Visual Basic; SharePoint; Microsoft Flow

relevant work experience

Sept. 2018 - Ongoing **Walt Disney Parks & Resorts** Orlando, FL
Worldwide Safety Assurance - Project Engineer

- Manage development & deployment of advanced video analytics systems to enhance ride safety
- Partner with internal partners & external vendors to advance Artificial Intelligence training models
- Manage project scope and provide technical oversight for implementation of additional CCTV functionality and system upgrades
- Advise project teams on incorporating AV systems that align with internal standards and future technology development opportunities
- Implement technology and data collection to invisibly audit Operations processes
- Provide quarterly reporting on health of multiple audit programs worldwide
- Develop custom tools to support Auditing processes & data analysis
- Develop and analyze key performance indicators (KPIs) for Engineering Services and other technical teams

- Sept. 2016 - May 2017 **Walt Disney Parks & Resorts** Orlando, FL
Worldwide Safety Assurance - Tiered Auditing Intern
- Designed and conducted audits and technical analysis based on trends and industry events.
 - Partnered with Park Operations to develop reporting to provide high-level overview of over 10,000 safety audits annually.
 - Utilized Maximo maintenance records to pinpoint a timeline of events leading to specific events.
 - Development of tools in Excel to streamline the operational and technical audit process.
 - Conducted attraction surveys for roll-out of new Access Control program
- June 2018 - Sept. 2018 **Thayer School of Engineering Machine Shop** Hanover, NH
Machine Shop Teaching Assistant
- Lead and train student helpers in shop, ensuring they have proper skills to serve shop customers.
 - Revise and develop curriculum for engineering courses that include a hands-on manufacturing experience.
 - Work with students and researchers to manufacture parts using a variety of tools & techniques.
 - Introduce users to manufacturing methods, introducing safety concerns, tooling considerations, and proper manufacturing techniques.
- Jan. - Aug. 2018 **Hopkins Center for the Arts: Dartmouth College** Hanover, NH
Production Staff
- Hang, focus, and program lights for student & visiting productions
 - Work with professional stagehands and crew to load-in & strike productions
 - Ensure other student employees followed appropriate safety procedures
- June - Dec. 2015 **The AES Corporation** Arlington, VA
Global Construction & Engineering Intern
- Deployed Unifier to 5 new projects internationally with over 100 users, served as a key member of the design team, including early-consultation and need-evaluation through final deployment.
 - Management of deliverable and issue tracking for multiple global projects.
 - Process Improvement and maintenance of Oracle Primavera Unifier installation utilized by 700 users internationally.
 - Developed documentation for international user base, both general and project-specific as required.
- June - Sept. 2014 **Digital Signal Corporation** Chantilly, VA
Robotics & Quality Assurance Intern
- Conceptualized and defined requirements for a scalable system to present focusing targets to optical sensors.
 - Worked with vendors to manufacture and acquire parts for targeting system
 - Analyzed error reports for Robotic Quality Assurance systems to diagnose bugs and determine solutions.
 - Validated bugs by implementing test cases.
 - Upgraded and maintained old equipment and standardized operational controls across systems.