

# Marshall T. Heyda

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## EDUCATION

**Auburn University | Auburn, AL** Cumulative GPA: 3.95  
*Bachelor of Civil Engineering, Structural Specialization* May 2021

MSc Civil Engineering December 2022

**Relevant Coursework:** Structural Design Project, Structural Steel Design, Reinforced Concrete Design, Structural Analysis, Wind Engineering, Geotechnical Engineering I & II, Project Management, Civil Engineering Materials

**Coastal Alabama Community College | Bay Minette, AL** Cumulative GPA: 4.00  
*Phi Theta Kappa – International Honor Society for Two-Year Colleges* May 2018

## WORK EXPERIENCE AND RESEARCH

**Auburn University, Department of Civil Engineering** Auburn, AL  
*Structural Analysis Lab Teaching Assistant* January 2021 – Present

- Lead 47 students in learning about load paths, framing systems, and other basic structural analysis principles
- Teach technical writing practices to improve written communication skills among undergraduate students

**PTAC Consulting Engineers** Pensacola, FL  
*Structural Engineering Intern* May – June 2020

- Produced shop tickets using a 3-D Revit building model for use in manufacturing precast concrete building elements

**Auburn University, Department of Civil Engineering** Auburn, AL  
*Structural Research Assistant* January – May 2020

- Researched failure mechanisms of Large Area Maintenance Shelters (LAMS) to uncover potential design flaws
- Utilized MATLAB to analyze expected bending stresses on LAMS structural elements prior to flexural lab testing

**Evergreen Construction** Atlanta, GA  
*Field Intern, Walton High School* August – December 2019

- Managed 20 subcontractors and problem solved on-the-go to ensure quality control of materials and workmanship
- Constructed a \$35M gym/fine arts addition by reading/interpreting plans, details, shop drawings, and specifications
- Presented new punch list system to increase project close out efficiency and voted best presentation among 5 interns

*Office Intern, McClure Health Science High School* January – May 2019

- Organized and processed RFI's, submittals, O&M manuals, safety manuals, and weather logs to close out project
- Reviewed schedules and daily reports to stay on schedule and within budget along with project management team

## LEADERSHIP AND SERVICE

**Chi Epsilon – Civil Engineering Honor Society** Auburn, AL  
*Vice President, Auburn Student Chapter* May 2020 – Present

- Improve student performance on the Fundamentals of Engineering exam by coordinating weekly review sessions
- Establish and maintain a Canvas course with information and resources for students to prepare for the FE exam
- Implement innovative solutions and leadership during COVID-19 to maintain successful chapter events/procedures

**American Society of Civil Engineers (ASCE)** Auburn, AL  
*Treasurer, Auburn Student Chapter* May 2020 – Present

- Execute accounting operations to balance transactions from career fairs, fundraisers, and promotional giveaways
- Prepare a comprehensive budget to confirm the feasibility of all meeting, event, and conference expenditures

## HONORS & AWARDS

**Simpson Strong-Tie Scholar**  
• Selected for a scholarship and 3-day convention to receive mentorship and hands-on education of structural fasteners  
• Acquired insight on the importance of structural connectors in gravity and lateral framing systems of buildings

**John A. Manning Math Award**  
• Recognized as the top math student at Coastal Alabama Community College for the 2017-2018 academic year  
• Selected for award by the Chair of Mathematics at CACC for outstanding performance in multiple calculus courses

**Scholarships:** NASA Space Grant Scholar, John Darnall & Griggs-Burns Civil Engineering Scholarships, and others

## SKILLS

**CAD & Programming:** Autodesk Revit, AutoCAD, MATLAB, Visual Basic for Applications (VBA)

**Software & Other:** SAP2000, Microsoft Office Suite, Microsoft Project, Bluebeam Revu

**Interests:** Long-Distance Running, Photography, Craft Beer, Traveling, Hiking, the Minnesota Vikings