

Civil E. Gator

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EDUCATION

Bachelor of Science, Civil Engineering
University of Florida – Gainesville, FL
Relevant Coursework: Structural Analysis, Concrete Design, Transportation Engineering, Hydraulics

May 2027

SKILLS

Technical Tools: AutoCAD, Civil 3D, Revit, Microsoft Project, BIM
Software: Excel, GIS, MATLAB, Python (basic)
Engineering Concepts: Structural Analysis, Drainage Design, Roadway Design, Steel & Concrete Structures, Statics
Project Management: Construction Management, Budgeting, Project Scheduling, Contract Administration

EXPERIENCE

UF Concrete Canoe Team, University of Florida | Gainesville, FL
Design Assistant

Jan 2025 - Present

- Contributed to material testing and CAD modeling for competition canoe, resulting in a 12% improvement in structural integrity during load testing
- Collaborated with a 10-member team to optimize concrete mix for strength and buoyancy, achieving a 15% reduction in weight while maintaining performance standards
- Documented design process and results for ASCE submission, helping the team place in the top 5 regionally for technical presentation and innovation

Forge Virtual Experience, City Infrastructure Project
Participant, Sustainable Construction Simulation

Aug 2024 - Dec 2024

- Completed a 6-hour module simulating a civil engineering consulting project
- Drafted a site plan using AutoCAD and proposed drainage solutions that reduced projected runoff by **18%**
- Presented findings in a mock stakeholder meeting, emphasizing **cost-efficiency improvements of 12%** through material selection

PROJECTS

Stormwater Management Plan – Class Project

Aug 2025 - Dec 2025

- Designed a drainage system for a hypothetical urban site using Civil 3D
- Calculated runoff and proposed retention basin sizing that met **EPA standards**
- Delivered technical drawings and budget estimates with projected savings of **\$25,000** over traditional designs

CERTIFICATIONS & TRAINING

- OSHA 10-Hour Construction Safety
- Autodesk AutoCAD Certified User

LEADERSHIP & INVOLVEMENT

UF American Society of Civil Engineers (ASCE) Student Chapter – Member
Engineering Peer Mentor – Herbert Wertheim College of Engineering
Gator Engineers Week Volunteer – Event Logistics Team