

Courtney E. Long

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Education

GEORGIA TECH | DECEMBER 2021

- Pursuing a certificate in a full-time web development program.
- **Relevant Coursework:**
HTML, CSS, JavaScript, Node.js

KENNESAW STATE UNIVERSITY | MAY 2020

- Bachelor of Science in Mechanical Engineering
- **Relevant Coursework:**
Python, MATLAB, AutoCAD, Engineering Graphics, Technical Writing, Circuits, Product Realization, Fluid Mechanics, Strengths of Materials, Calculus III, Machine Design

Projects

WEBSITE DEVELOPMENT

- Designed and developed a website in a small team for users to input their preferences so they can receive a customized dating itinerary.
 - **Languages Used:** HTML, CSS, JavaScript
 - URL: <https://courtbourt12.github.io/groupProject/>
- Developed a daily task tracker that can store user input and dynamically change based on real time and date.
 - **Languages Used:** HTML, CSS, JavaScript
 - URL: <https://courtbourt12.github.io/daily-task-tracker/>
- Created a weather tracking website that can give current weather for a searched city name..
 - **Languages Used:** HTML, CSS, JavaScript
 - URL: <https://courtbourt12.github.io/weather-Channel/>

MECHANICAL ENGINEERING

- Designed a compliant gripper in AutoCAD, tested the design in Ansys, and built working prototypes by 3D printing.
- Designed a turbine roller mechanism and created a Bill of Materials for General Electric to manufacture the product for their usage.

Work Experience

CONSULTANT I | APPLIED TECHNICAL SERVICES | FEB. 2019 - CURRENT

Marietta, Georgia

- Inspects tanks, vessels, or any structure that needs to meet a safety code in order to provide clients with information on how to properly repair/maintain their equipment.
- Oversees the Co-op program by hiring, training, and supervising a group of college students within the company.
- Communicates directly with Clients and provides proposals based upon a cost work-up.

Skills

- Excellent communicator, and works well with teams to keep focus and inspire ideas.
- Strong attention to detail in a fast paced environment.
- Extensive knowledge of SolidWorks, AutoCAD, engineering drawings/drafting, MATLAB, Ansys, and Microsoft Office.
- Capable of managing teams and dealing directly with Clients.
- Proficient in mathematics and mechanical design.

References

Anthony Calvanese, P.E. | Vanderlande

Contact: 678) 447 - 4225

John Loesel | Applied Technical Services | Senior Consultant

Contact: jloesel@atslab.com | 678) 993 - 5009

Jonathan Skoczylas, P.E. | Applied Technical Services | Senior Engineer

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