

Christina Wright

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PROFESSIONAL EXPERIENCE

Comprehensive Energy Services

Aug. 2023 – Present

Project Engineer

Orlando, FL

- Managing project resources, including personnel, materials, and equipment
- Developing methods for project documentation and maintaining records
- Monitoring project progress and providing regular updates to stakeholders

Genius Gems

April 2020-June 2022

Associate

Millburn, NJ

- Designing and manufacturing educational tools and projects using a makerspace
- Maintaining and operating a 3D printer farm and laser cutter
- Creating a curriculum and conducting classes to teach children how to use TinkerCAD

The Baupost Group

Summer 2021

Application Development Team- Information Technology Intern

Boston, MA

- Wrote SQL stored procedures to navigate investment data
- Participated in web development process using a modified Agile methodology

ENGINEERING EXPERIENCE

Creative Machines Lab, Columbia University

Summer 2022

Research Assistant to PhD Student

New York, NY

- Developed a new 3D printing process by creating and testing mechanisms that create an automated additive manufacturing process that incorporates SLA and SLS techniques

Engineering Projects

- Designed an educational model to help visualize a chemistry concept: **Patent Number: US11,609,305**
- Built a bipedal walking robot using raspberry pi and servos for actuation
- Designed a mechanism with an arduino to calculate required force to stay upright on the subway
- Built self-contained video game that runs from a microcontroller
- Created educational tool to practice basic addition and subtraction using only mechanical components

EDUCATION

Columbia University, Fu Foundation School of Engineering and Applied Science

Graduated May, 2023

BS, Mechanical Engineering

- Gosh Yarn It (Knitting Club): President and Pattern Consultant
- Columbia University Fencing: Team Armorer
- Columbia Bartending Agency: Private Bartender

SKILLS

Mechanical Engineering: Passed the Mechanical FE Exam in March 2024, OSHA 10

3D Printing and Modeling: Proficient in Solidworks, Fusion 360, AutoCad and Illustrator

Data Engineering: Proficient in SQL

Web and Application Development: Experienced in Java, Python, MATLAB, Latex, HTML, JavaScript, CSS and programming for Arduino micro controllers

Manufacturing: Trained on CNC Mill, CNC Lathe, soldering, hand tools, Experienced in Digital Manufacturing Techniques

Additional Software: Proficient in Microsoft Office, Bluebeam and Adobe Acrobat