

Grace Fei

gracefei@unc.edu | 336-686-9496 | gracefei.com

EDUCATION

The University of North Carolina at Chapel Hill, Chapel Hill, NC
Bachelor of Arts (BA): Computer Science and Studio Arts

GPA: 3.93/4.0
May 2027

Northwest Guilford High School, Greensboro, NC

GPA: 4.0/4.0, 4.733(weighted)

Relevant courses: Data Structures and Algorithms, Discrete Math, Calculus 1 and 2, Data Model and Inference, Intro to Programming

Technical Skills: Python (NumPy, Pandas, PyTorch), Java, JavaScript (React.js), CSS, SAS (SAS Base Programming, SAS Advance Programming certificate), Fusion360, Blender, Unity, LabView

WORK EXPERIENCES

Artemis Immersive

Chapel Hill, NC

Software Engineer Intern

February 2024- Present

- Using HTML, CSS, and Figma to develop The Voxscan Orctraton System front end used to visualize and interact with MRI or CT scans in 3D

UNC Department of Computer Science

Chapel Hill, NC

Research Co-Author

January 2024

- address the acoustic field synthesis of the binaural audio with a hybrid model incorporating acoustic synthesis blocks and a Head-Related Transfer Function (HRTF) module to learn the transfer function that represents the binaural audio effects

UNC Department of Physics and Astronomy

Chapel Hill, NC

System Integration Engineer Intern

Fall 2023

- Programmed with Python (NumPy) and LabVIEW to integrate synchronized high-throughput Optical Coherence Tomography (OCT) imaging system with APT motor software
- User inputs 2 wells in a well plate, program generates coordinates taking into account rotational shifting in each well and completely automates the scanning process

The3DMachine

Greensboro, NC

Founder, and Owner

Jan 2020-Present

- I founded this business to combine my passion for STEM and art by using 3D modeling software Fusion360, 3D printing, and painting. I am proud to have 1000+ sales and an average 5-star review. Additionally, my products can be found in stores at NerdBombers.
- Using the funds from the business, I organized an annual 3D jewelry design camp with 40+ students across the US, empowering young women in STEM.

PROJECTS

Personal Website

Chapel Hill, NC

Developer

December 2023

- Developed a personal website with Javascript (React.js) and CSS to showcase my projects and artworks that I have worked on

LEADERSHIP EXPERIENCES

UNC AR/VR

Chapel Hill, NC

Design Lead of Development Team

2023- Present

- Using Blender and Unity to lead 4 development team members to create 3D assets for a Maze structured game
- Organize AR/VR technology events with Exec board, impacting 150+ students