Grace Fei

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EDUCATION

The University of North Carolina at Chapel Hill, Chapel Hill, NC   **GPA:** 3.964/4.0
Bachelor of Arts (BS): Computer Science and Studio Arts   May 2027

Northwest Guilford High School, Greensboro, NC   **GPA:** 4.0/4.0, 4.733(weighted)

Relevant courses: Comp 301 Foundations of Programming, Comp 211 Systems Fundamentals, Comp 210 Data Structures and Algorithms, Math 381 Discrete Math, Calculus 1 and 2, Data Model and Inference, Intro to Programming

Technical Skills: Python (NumPy, Pandas, Pytorch), Java, JavaScript (React, Axios, Material UI), TypeScript, AWS IAM, 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 Typescript React to develop The Voxscan Orchestration System frontend used to visualize and interact with MRI and CT scans in 3D
- Developed user and admin authentication with AWS Cognito API, Flask backend, and frontend credentialing with tokens
- Used Figma to design frontend and implemented custom components based on Material UI

UNC Department of Computer Science   **Chapel Hill, NC**
Student Researcher   January 2024 - Present
- Developed neural network model that predicted spacial room acoustic with visual and audio input using transformer-CNN models developed in PyTorch

UNC Department of Physics and Astronomy   **Chapel Hill, NC**
Research Assistant   August 2023 - Present
- Used Python (NumPy) and LabVIEW to develop fully automated software with an Optical Coherence Tomography (OCT) imaging system and Kinesis motor software, scanning 48 wells hands-free

The3DMachine   **Greensboro, NC**
Founder, and Owner   Jan 2020-Present
- With over 1000+ sales and an average 5-star review, my founded business combines STEM and art by 3D modeling with Fusion360, 3D printing, and painting. Products can be found in stores at NerdBombers.
- Using the funds to organize annual 3D jewelry design camps 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 artwork

LEADERSHIP EXPERIENCES

UNC AR/VR   **Chapel Hill, NC**
Design Lead of Development Team   2023- Present
- Using Blender and Unity to lead 6 development team members to create 3D assets for a Maze structured game and
- Organizing AR/VR technology events with Exec board, impacting 150+ students