Rachel Mills

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Education

Georgia Institute of Technology: B.S. Computer Science   2018 - May 2023
Threads: Artificial Intelligence and Media   *GPA: 3.55/4.00*
Relevant Course Work: Design & Analysis of Algorithms, Computer Graphics (Processing),
Computer Organization & Programming (Assembly, C), Intro to AI, Project Design, NLP
Clubs: WREK Radio, Trail Blazers (President 2020 - 2021), iOS Development Club

Experience

Apple, Software Engineer Intern - Cupertino, CA   May 2022 - August 2022
Feature for Apple Music and MusicKit. Swift, Objective-C

Apple, Software Engineer Intern - Cupertino, CA   May 2021 - August 2021
Feature for Apple Music. Objective-C

Georgia Institute of Technology, IT Intern - Atlanta, GA   Jan 2021 - December 2021
Maintenance, configuration, and security of employee hardware and software at the Alumni
Association.

SKILLS

Programming: Java, Python, C, Assembly, Processing, Swift, ObjC, Typescript, JS.
Concepts: Linear Algebra, Multivariable Calculus, OOP, UML, Data Structures, Discrete
Mathematics, Full-Stack Development, Graphics Programming
Languages: French (Intermediate), Mandarin (Beginner)

PROJECTS

Dual Meshes   May 2022
Processing - Create triangulated duals using 5 polyhedral models, toggle between per face and per
surface normals, toggle between white and colorful faces
It Takes a Village   August 2021 - December 2021
ReactJS with Java backend application and mySQL database - Project for client Dr. Mine Hashas-
Degertekin with group of 5. Communication platform to provide childcare for single parents in
West End Atlanta neighborhood
Julia Fractal GPU Programming   May 2022
GLSL - Write fragment and vertex shaders to depict cubic Julia Set fractal that changes as time
progresses, edge detection shader on an image, spiral of circles, and ripple
Frequency Analysis   May 2022
Java - Real time graphic equalizer display using Beads FFT Frequency analysis - LPF, HPF, BPF