

Rachel Mills

rachel.mills@gatech.edu | rachel.mills589@gmail.com

Education

Georgia Institute of Technology: B.S. Computer Science 2018 - 2023 - *Magna Cum Laude*

Threads: Artificial Intelligence and Media

Relevant Course Work: Design & Analysis of Algorithms, Computer Graphics, Computer Organization & Programming, Intro to AI, NLP, Game AI, Automata and Complexity

Clubs: WREK Radio, Trail Blazers (President 2020 - 2021), iOS Development Club

Experience

Freelance Programmer May 2023 - Present

Offering IT, programming services, and development for websites, apps, and other technologies, as well as developing personal projects intended to be deployed next year.

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, C#, Assembly, Processing, Swift, SwiftUI, ObjC, Typescript, JS, Rest API, SQLite, et al.

Concepts: Linear Algebra, Multivariable Calculus, OOP, UML, Data Structures, Discrete Mathematics, Full-Stack Development, Graphics Programming, et al.

Languages: French (Intermediate), Mandarin (Beginner)

PROJECTS

Natural Language Processing POS Tagger Oct 2022

Pytorch - Colab notebook using LSTM model trained using text from the Wall Street Journal, using word-level and character-level representations of the word for more accurate predictions.

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 and Rest API - 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

<https://rachel390.github.io>

<https://www.linkedin.com/in/rachel-mills-861b34170/>