

Aravind Srinivasan

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• <https://glink.zip>
Hard-worker, Creative thinker, majoring in **Computer Science** and **Math** who excels in **Python**, **Java**, and **JavaScript** and is looking to pursue a **full-time position** in **Software Engineering** or **Full Stack Development** and possibly explore the intersection of Mathematics and creativity to simplify complex Mathematical concepts.

EDUCATION

University of California, Berkeley, CA Bachelor of Arts (double major) in Mathematics & Computer Science Dean's List – College of Letters & Science for Spring 2022. Early graduation - 3 years	August 2021 - May 2024 Cumulative GPA: 3.77/4.00
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TECHNICAL SKILLS

Languages: Python, Java, C, Go, JavaScript, Julia, TypeScript, HTML, CSS, Bash, RISC-V assembly, LaTeX.
Frameworks, Tools: React, Express, Django, Node.js, Next.js, Tailwind, Django REST Framework, DaisyUI, Github Actions, Git.
Environments: Heroku, VS Code, IntelliJ Idea, IntelliJ WebStorm.
Databases: Cassandra, MongoDB, PostgreSQL, SQLite.
Methodologies/Practices: Agile, CI/CD

RELEVANT COURSEWORK

Computer Science: Structure of Computer Programs, Computational Structures, Data Structures, Computer Architecture, Artificial Intelligence, Linux Sysadmin, Machine Learning, Computer Security, Internet Architecture & Protocols, Databases, Probability & random processes.
Mathematics: Multivariable Calculus, Linear Algebra, Discrete Math, Abstract Algebra, Number Theory, Real Analysis, Combinatorics, Undecidability and Incompleteness, Complex Analysis, Programming for Mathematical Applications.

EMPLOYMENT EXPERIENCE

<u>SUMaC Admissions Exam Reviewer at Stanford, Remote</u>	10 hrs/wk	Jan 29 2024 – Mar 22 2024
• Will examine and evaluate SUMaC Admissions Exams and provide summaries on each application.		
<u>Academic Intern at the UC Berkeley</u>	8 hrs/wk	August 2022-December 2022
• Assisted students, as part of course staff for Computational Structures in Data Science, in learning topics like Trees, Linked List, loops, and recursion in Python.		
<u>Intern(Unpaid) at Enerpact</u>	25 hrs/wk	July 2019-August 2019/May 2022-July 2022
• Helped convert their codebase from Java to Python. Solved “forecast curves” using linear regression. Reduced deviations in the generated data through several programs to make the process 75% more efficient and increase revenue by 13%.		
<u>Math Tutor at GoPeer</u>	4 hrs/wk	January 2022-March 2022
• Tutored struggling High school and Middle school students in Math; observed their learning patterns and provided custom tailored sessions for each student. Attained enhanced grades for all students under my tutelage within a two-month timeframe.		

PROJECTS

RunBy | Flask, GPT4 OpenAI API, React.JS, Tailwind CSS, HTML, Material UI
• A tool that converses with and provides suggestions to users (by invoking multiple personalities) regarding actions that they wish to run by the AI chatbot.
Secure File Upload and Sharing System | Go
• An efficient program that allows users to create, edit, and share files using a database.
GLink | Cassandra DB, Tailwind CSS, Daisy UI, Node.JS, Express.JS, HTML
• A web service (glink.zip) that enables the creation of geo-restricted short URLs.
Personal Website | Tailwind CSS, Daisy UI, React.JS, HTML
• A personal portfolio (aravinds.me).
GeoQuizzer | Java
• An interactive text-based game that assists users in learning the capitals of the world.
FileX | Java, Swing
• A cross-platform file explorer with both a terminal view and a hierarchical view.
RSA Algorithm | Python
• Encryption-Decryption tool that uses the RSA algorithm.
Doodle | Java, Swing
• A paint application that includes color picks and image saving features.

HONORS

Upsilon Pi Epsilon Honor Society

February 2023 - Present

- Invited member of Upsilon Pi Epsilon Honor Society (UPE)

Dean's List

Spring 2022

- Made it to the Dean's List for the College of Letters & Science

ACTIVITIES

Intramural Soccer

January 2023 – May 2023

- Guided and motivated our intramural soccer team through effective leadership and strategic decision-making.

Drawing

July 2017 - December 2019

- Demonstrated creativity by winning several inter- and intra-school awards in high school for pencil sketching.