Tarang Srivastava

📞 (609) 665-7567 • ✉ tarang.sriv@berkeley.edu • in tarangsriv • ⚡ @tsgoten • 🔗 tarangsriv.me

Education

University of California, Berkeley • Berkeley, CA — August 2019 – May 2022
Double Major from the College of Letters and Sciences — GPA: 3.94/4.0
Bachelor of Arts in **Computer Science**
Bachelor of Arts in **Applied Mathematics** *& Statistics Concentration*

South Brunswick High School • South Brunswick, NJ — September 2015 – June 2019
- Outstanding Math Student • GSET nomination for Top 3 in class of 700 • Honor Roll — GPA: 4.4/4.0

Work Experience

Undergraduate Student Instructor (TA) – UC Berkeley EECS Department — June 2020 – Present
Berkeley, CA
- 20 hr Teaching Assistant for CS70: Discrete Mathematics and Probability Theory.
- Responsible for heading discussion sections, creating course material and administrating course grading.

Course Tutor – UC Berkeley EECS Department — June 2020 – Present
Berkeley, CA
- 12 hr course tutor for CS61A: Structure and Interpretation of Computer Programs.
- Responsible for running small sections, tutoring a small group of students.

Software Engineering Intern – Vydia — June 2018 – August 2018
Holmdel, NJ
- Worked on developing and maintaining web and mobile applications for artists and producers.
- Used JS, react and react-native for feature development in Agile workflow. Revamped DevOps with Docker.

Projects

Recap – Stanford Hackathon — February 2020
- Created a web application with React, to show local sourced news to a wider audience.
- With a primary focus on creating an interface that incites discovery.

Docker Migration – Vydia Internship — July 2018 – August 2018
- Upgraded the entire teams development environment to use containerization tech.
- Saves around four hours in onboarding process, and around half hour per developer in daily usage.

LED Authenticator – NJ Hackathon — May 2018
- Hardware device powered by Arduino and Android app to verify logins using AES.
- Provides a two-step authenticator in a fun way, to encoursage usage.

Gofer – Alpha Product — March 2018 - August 2018
- Android app for creating a network for local commerce by requesting and completing tasks.
- Needed a way to get stuff from around our town so we created this app to request help from seniors.

Mousetrap/Electric Vehicle – Science Olympiad — January 2016 - March 2019
- Created the most efficient vehicle with stored potential energy in mousetrap. Placed 3rd in NJ.
- Used Arduino to control vehicle to accurately drive a programmed distance. Placed 4th in NJ.

Technical Skills

- Programming languages: **Python**, **Java**, JavaScript, Swift, Kotlin, Matlab, LaTeX, HTML/CSS
- Software: Docker, Android Studio, XCode, Git, Unity, Linux, SQL, Tensorflow
- Non-Technical: Agile workflow, experience teaching students, organizing events of 50+ people.

Highlighted Coursework

- **Computer Science:** Data Structures and Algorithms, Computer Programs, Android and iOS Development, Linux SysAdmin, Web Design, Designing Information Devices and Systems
- **Mathematics:** Real Analysis, Abstract Linear Algebra, Discrete Math, Probability Theory, Multivariable Calculus, Differential Equations, Numerical Analysis

Extra Curricular Activities

- Volunteer to tutor group of 4-5 students learning discrete math and probability theory, CS 70 at Berkeley.
- Social Chair in the Math Undergrad Student Association, hosting events to encourage math community.
- First bass in orchestra, wrestling tournament champion, and SciOly state medalist.