

Shifa Somji

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EDUCATION

HARVEY MUDD COLLEGE – Claremont, CA • **B.S. in Computer & Cognitive Science** *exp. May '23*

Relevant Coursework: Artificial Intelligence, Machine Learning, Neural Networks, Algorithms, Programming Languages, Data Structures, Operating Systems, Software Engineering, CS Clinic and Colloquium, HMC Core/HSA Curriculum, Cognitive Science, Linguistics

TECHNICAL SKILLS

Python	C++	React	SQL
Java	JavaScript	Bash	HTML5, CSS

PROFESSIONAL EXPERIENCE

META – Seattle, WA • **SWE Intern** May '22-Aug '22

- Interned on the Curated Ads Data team, responsible for building the platform to enable transparency, control, and purpose in FB advertisements. Created a system that intelligently identified duplicate requests for curated ads, identifying 20% of curated requests as duplicates and significantly improving curation throughput

HARVEY MUDD COLLEGE – Claremont, CA • **Research Intern** May '21-Aug '21

- Developed a new simulator that evolves sequences over a user-provided phylogenetic tree to test xenoGI, a software package that identifies genomic islands, maps their origin within a clade of closely related bacteria while allowing for horizontal transfer of novel genes as well as for genomic scale deletions, duplications and inversions, and amino acid level sequence change
- Created a plotting feature for reconciliation between gene and species trees. The feature overlapped the species and gene trees and added different markers for origin, speciation, rearrangement, duplication, and transfer, identifying the location of each event

TEAMTIME – Claremont, CA • **Co-Founder/CTO** May '20-Aug '20

- Co-founded TeamTime, a startup where members of a team can set group alarms for better collaboration and enhanced productivity
- Designed the application's persistence layer, using Firestore, of users, groups, and alarms
- Developed the app's user interface using React Native Elements and React Native Material UI packages with custom CSS

RESEARCH PROJECTS

Algorithmic Search Framework – AMISTAD Lab Jan '21-May '22

- Proposed an algorithmic search framework, unifying machine learning and artificial intelligence under the single research discipline of artificial learning. The framework bounds the performance and provides an intuitive understanding of artificial learning algorithms

LEADERSHIP

Center for Innovation & Entrepreneurship • Business Development Manager Aug '21-May '22

- Prepared students to be innovative entrepreneurs by providing experiential learning, mentoring, and networking

Women of the Association of Computing Machinery • Co-Chair Aug '21-May '22

- Led resume workshops and company sponsored events for women in computer science