

Shardul Joshi

joshardul@gmail.com | (603) 494-2452
8 Chongris Cir, Andover, MA 01810
[linkedin.com/in/sjoshi01](https://www.linkedin.com/in/sjoshi01) | sharduljoshi.me

Seeking a full-time software engineering role beginning
Summer 2022

Education

Rensselaer Polytechnic Institute (RPI) | Troy, NY | May 2022

- Bachelor of Science in Computer Science (concentration in Artificial Intelligence and Data)
- Minor in Management
- GPA 3.83 – Dean's Honor List
- Notable coursework: Data Structures, Introduction to Algorithms, Introduction to Artificial Intelligence, Linear Algebra, Graph Theory, Machine Learning from Data, Data Science

Experience

Amazon Web Services | Boston, MA | May 2021 – Aug 2021 | *Software development engineer intern*

- Designed and developed an optimization service for Infrequent Access storage in AWS Elastic File System utilizing various AWS microservices, architecture, and toolkits (Lambda, Simple Queue Service, Cloud Development Kit, etc.)
- Estimated to significantly reduce storage costs, the savings from which can be passed onto customers

Cadence Design Systems, Inc. | Burlington, MA | May 2020 – Aug 2020 | *Software engineering intern*

- Worked on feature development for flagship Allegro chip design layout software
- Refactored legacy C/C++ codebase to adhere to company software principles
- Designed and developed color customization tool using C++ and Qt framework
- Added functionality to Allegro scripting framework to enable tutorial recording and replay

Rensselaer Advising and Learning Assistance Center | Troy, NY | Feb 2020 – May 2020 | *Tutor*

- Tutored and provided homework help to students in Data Structures course at RPI

Syntax Solutions | Andover, MA | Nov 2015 – Jul 2019 | *Co-founder/web-developer*

- Co-founded a business to address growing need for various local businesses to build an online presence
- Portfolio of multiple, completed projects available at syntax-solutions.xyz

iOS App for Andover High School Schedule | Andover, MA | Jul 2018 – Mar 2019 | *Independent app developer*

- Independently developed an iOS app used by students to keep track of 8-day rotation class schedule

TiE Boston Young Entrepreneurs Program | Boston, MA | Sep 2017 – Apr 2018 | *CTO role on team of five*

- Bi-weekly workshops with real-world entrepreneurs culminating in a business plan pitch to a VC panel about a software for teachers to automate recommendations on individualized extra help content for students
- Workshop topics included research, marketing, finance, prototyping, presentation, and interpersonal skills

Konjoian Education Center | Andover, MA (Now located in North Andover, MA) | Sep 2016 – Nov 2016 | *Intern*

- Gathered requirements, designed, and built the center's website: www.konjoianeducationcenter.com
- Helped implement new technologies such as online scheduling and custom email, followed by staff training

Skills

Technical: Python, C, C++, Java, Swift, HTML, CSS, JavaScript, Git, Qt (C++ framework), Prolog, Scheme, Haskell, data structures, object-oriented design, linear algebra, discrete mathematics, computer architecture, algorithms, software design patterns, Microsoft Office, MacOS, Linux, Windows, LaTeX, Agile project planning

Soft: writing, organization, team leadership, communication, public speaking, teamwork

Spoken languages: English, Spanish, Marathi

Activities

The Polytechnic | *Contributing Editor*

- Write news/opinion pieces for school newspaper at poly.rpi.edu
- Senior position in the club
- Previously held: Editorial/Opinion Editor, Associate Editorial/Opinion Editor, Associate News Editor

Honors

Rensselaer Leadership Award, Rensselaer Recognition Award, MA State Seal of Biliteracy