

Shardul Joshi

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Seeking a summer 2021 internship in computer science
and software engineering

Education

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

- Bachelor of Science in Computer Science, concentration in Artificial Intelligence and Data
- Additional minor in Management
- GPA 3.74 – Dean's Honor List
- Notable courses: Data Structures, Introduction to Algorithms, Programming Languages, Foundations of Computer Science, Software Design and Documentation, Linear Algebra, Introduction to Management

Andover High School (AHS) | Andover, MA | Jun 2019

- GPA 3.87 (unweighted), 4.53 (weighted) – honor roll, top 10% of a 446-member graduating class

Experience

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

University of New Hampshire Tech Camp | Durham, NH | Jul 2019 | *Camp counselor (day and night)*

- Counseled students (grades 8-12) at a STEM camp at the University of New Hampshire
- Aided students in various technical projects, including an introduction to programming

Russian School of Mathematics | Andover, MA | Sep 2017 – Jun 2019 | *Tutor*

- Tutored students from grades 5-10 in mathematics; assisted outside classroom on homework and concepts

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, 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

Languages: English, Spanish, Marathi

Activities/Honors

Presently: Editorial/Opinion Editor for *The Polytechnic* (online school newspaper poly.rpi.edu)

Previously: Captain of high school cross country, Logistics Coordinator of high school science team, guitarist for Spoonful of Sarcasm (band), high school computer science club member

Honors: Rensselaer Leadership Award, Rensselaer Recognition Award, National Honor Society, National AP Scholar, AP Scholar with Distinction, Excellence in Java Programming (high school), MA State Seal of Biliteracy