Shardul Joshi

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Seeking a summer 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 include 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

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

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

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

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

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, Java, Swift, C, C++, HTML, CSS, JavaScript, Git, Flask (Python framework), data structures, object-oriented design, Microsoft Office, MacOS, Linux, Windows, linear algebra, discrete mathematics, LaTeX
Soft: writing, organization, team leadership, project management, project planning, 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: Dean's Honor List, Rensselaer Leadership Award, Rensselaer Recognition Award, National Honor Society, high school honor roll, National AP Scholar, AP Scholar with Distinction, Excellence in Java Programming (high school), MA State Seal of Biliteracy