

SHREYA SHANKAR

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EDUCATION

- 9/15-present **Stanford University**, Stanford, CA
- B.S. Candidate in **Computer Science** – GPA: 3.9, Expected graduation date: **June 2019**
 - Current coursework: Deep Learning in Natural Language Processing (CS224N), Symbolic Music Notation (CS275A)
 - Completed coursework: Accelerated Programming Abstractions (CS106X), Mathematical Foundations in Computing (CS103), Probability for Computer Scientists (CS109), Design and Analysis of Algorithms (CS161), Computer Systems from the Ground Up (CS107E), Artificial Intelligence: Principles and Techniques (CS221), Principles of Computer Systems (CS110)

COMPUTER SKILLS

- Familiar with Java, C++, C, Python, Swift, LaTeX

EXPERIENCE

- 1/16-present **Section Leader/TA**, Programming Methods and Abstractions, Stanford University, Stanford, CA
- Teaching introductory Java and C++ courses to a section of 12 students every quarter
 - Working closely with professors to grade assignments and review material
- 6/16-9/16 **Intern**, Google, Mountain View, CA
- Collaborated with a team of Googlers to build Street View tools for Google Maps
 - Performed software development and testing roles as an Engineering Practicum intern

PROJECTS

- 9/16-12/16 **iOS Application for Lean In**
- Built the first iOS application for Lean In, a nonprofit that supports women in their careers
 - Integrated existing educational content such as videos and tips with a user-friendly interface
- 9/16-12/16 **Optimizing Stanford's Cooling Expenditures**
- Developed a machine learning framework to predict electricity prices and building electrical loads
 - Implemented a Markov Decision Process to optimize Stanford's air conditioning costs
- 4/16-6/16 **Pi-ke, a Raspberry Pi-controlled bike system**
- Constructed a bike system complete with indicator buttons, lights, and display for speed, distance traveled, and time (similar to a car's system) using both hardware and software

ADDITIONAL INTERESTS

- 9/16-present **Section Instructor**, CS+Social Good, Stanford, CA
- Co-teaching CS106S, a course that introduces beginners to using technology for social good
- 4/16-present **Financial Officer**, TreeHacks, Stanford, CA
- Managing the budget to host Stanford's annual hackathon for hundreds of students
- 9/15-present **Co-director of #include Fellowship Program**, she++, Stanford, CA
- Encouraging high school students to start computer science education initiatives in economically disadvantaged areas
- 1/16-6/15 **Consulting Software Engineer**, OnRisk Insurance, Palo Alto, CA
- 9/15-12/15 **Startup Facilitator**, Catapult Incubator, San Francisco, CA
- Advised early stage social ventures in a startup incubator for high school students
- 8/11-5/15 **A&M Consolidated Varsity Swim Team**, College Station, TX
- 8/11-5/15 **A&M Consolidated Varsity Orchestra**, College Station, TX