# 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: Convex Optimization (CS334A), Music Query, Analysis, and Style Simulation (CS275B)
- 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), Deep Learning in Natural Language Processing (CS224N), Symbolic Music Notation (CS275A)

## 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

1/17-4/17 **Identifying Biased-Induced Sentences in News Articles**

- Wrote a convolutional neural network to predict the news provider given an article's text and a bidirectional recurrent neural network to identify sentences explaining the classifier's predictions

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 CS education initiatives in economically disadvantaged areas

1/16-6/15 **Consulting Software Engineer**, OnRisk Insurance, Palo Alto, CA

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