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**
- M.S. Candidate in Computer Science; Expected graduation date: June 2020
- Relevant coursework: Mathematical Methods for Robotics and Vision (CS205A), The Algorithmic Toolbox (CS168), Computational Models of the Neocortex (CS379C), 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, JavaScript, LaTeX

EXPERIENCE

9/17-present **Student Research Intern**, Google Brain, Mountain View, CA

- Working on a project in machine learning security and developing adversarial examples for computer vision models

6/17-9/17 **Software Engineering Intern**, Facebook, New York, NY

- Worked on Facebook's civic engagement team to connect users to their government representatives

3/17-6/17 **Research Assistant**, Department of Computer Science, Stanford University, Stanford, CA

- Implemented a deep learning-based model and sampling algorithm for fast conditional inference queries to generate drum tracks using Tensorflow

1/17-6/17 **Intern**, Signia Venture Partners, Menlo Park, CA

- Helped to source artificial intelligence technology-related deals and developed an investing point-of-view for natural language processing in the industry

1/16-6/17 **Section Leader/TA**, Programming Methods and Abstractions, Stanford University, Stanford, CA

- Taught introductory Java, JavaScript, and C++ courses to a section of 12 students every quarter

PROJECTS

4/17-6/17 **Graph Convolutional Networks for Fly Connectome Data**

- Implemented a graph convolutional network to predict functions of fruit fly neurons given only their structural information

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 **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

ADDITIONAL INTERESTS

9/15-11/17 **Co-Director and High School Program Leader**, she++, Stanford, CA

- Led a team of 25 college students and working with a board of directors to drive the vision for she++, a 501(c)(3) nonprofit that aims to make technology fields more diverse
- Ran a program to help 500 high school students start local CS education initiatives

9/16-5/17 **Class Instructor**, CS+Social Good, Stanford, CA

4/16-5/17 **Financial Officer**, TreeHacks, Stanford, 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