

# Stanford

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## Anand Avati

- Ph.D. Student in Computer Science, admitted Autumn 2015
- Ph.D. Minor, Management Science and Engineering

### Bio

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#### EDUCATION AND CERTIFICATIONS

- MS, Stanford University , Computer Science (2019)
- MS, Stanford University , Statistics (2019)

### Teaching

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#### COURSES

##### 2021-22

- Machine Learning: CS 229, STATS 229 (Sum)

##### 2019-20

- Machine Learning: CS 229, STATS 229 (Sum)

##### 2018-19

- Machine Learning: CS 229, STATS 229 (Sum)

### Publications

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#### PUBLICATIONS

- **Improving Hospital Readmission Prediction using Individualized Utility Analysis.** *Journal of biomedical informatics*  
Ko, M., Chen, E., Agrawal, A., Rajpurkar, P., Avati, A., Ng, A., Basu, S., Shah, N. H.  
2021: 103826
- **A framework for making predictive models useful in practice.** *Journal of the American Medical Informatics Association : JAMIA*  
Jung, K., Kashyap, S., Avati, A., Harman, S., Shaw, H., Li, R., Smith, M., Shum, K., Javitz, J., Vetteth, Y., Seto, T., Bagley, S. C., Shah, et al  
2020
- **Ambulatory Atrial Fibrillation Monitoring Using Wearable Photoplethysmography with Deep Learning**  
Shen, Y., Voisin, M., Aliamiri, A., Avati, A., Hannun, A., Ng, A., Assoc Comp Machinery  
ASSOC COMPUTING MACHINERY.2019: 1909–16
- **Improving palliative care with deep learning.** *BMC medical informatics and decision making*  
Avati, A., Jung, K., Harman, S., Downing, L., Ng, A., Shah, N. H.  
2018; 18 (Suppl 4): 122
- **Automated and flexible identification of complex disease: building a model for systemic lupus erythematosus using noisy labeling.** *Journal of the American Medical Informatics Association : JAMIA*  
Murray, S. G., Avati, A., Schmajuk, G., Yazdany, J.

2018

- **Performance of Machine Learning Methods Using Electronic Medical Records to Predict Varicella Zoster Virus Infection**

Gianfrancesco, M., Schmajuk, G., Murray, S., Ludwig, D., Hannun, A., Avati, A., Tamang, S., Yazdany, J.

WILEY.2017