ANDREW JOOHUN NAM

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EDUCATION

Stanford University **Sep 2018 - Present**
Ph.D. in Psychology - Cognitive Science Advisor: Jay McClelland

University of California, Berkeley **Aug 2013 - May 2017**
B.A. in Computer Science
B.A. in Economics

RESEARCH EXPERIENCE

Stanford University Sep 2018 - Present
Parallel Distributed Computing Lab

· Neural network research on compositional learning and meta-learning.
· Experimental psychological research on human algorithmic and rule-based reasoning
· Developmental and mathematical cognition research through neural network modeling

University of California, Berkeley Jul 2016 - Feb 2018
Computational Approaches to Human Learning Research Lab

· Representation learning research on compositionality of embedding spaces from student course data to identify relationships between pedagogic elements (e.g.university courses and course material); deployed as course recommendation software at UC Berkeley
· Deep recommendation system research for predicting and clustering student behavior from Massive Open Online Courses (MOOCs)

TEACHING EXPERIENCE

Stanford University

· Spring 2020 - Brain Decoding (PSYCH 164)
· Winter 2020 - Statistical Methods for Behavioral and Social Sciences (PSYCH 252)

UC Berkeley

· Fall 2016 - Discrete Mathematics and Probability (CS 70)
· Spring 2016 - Discrete Mathematics and Probability (CS 70)

INDUSTRY EXPERIENCE

Salesforce Jul 2017 - Aug 2018
Associate Member of Technical Staff - Software Engineer

· Data resilience and service health monitoring software for Kafka distributed streaming platform
· Built a web application using Angular to allow engineers to on-board data tracing services
· Supported data transport services by examining software performance and ensuring reliability

Salesforce May 2016 - Aug 2016
Software Engineering Intern

· Built data marshalling and transport framework for distributed systems

· Developed data schema repository and consistency validator for marshalling log data
· Created extensible and adaptive library for generating validation rules

SpaceX May 2015 - Aug 2015
Information Technology Intern

· Developed an intelligent document cloning feature for form automation
· Programmed features for interal Enterprise Resource Planning software towards eliminating dependence on external third-party software

AWARDS

National Science Foundation (NSF) Graduate Research Fellowship (GRF) Mar 2020

PUBLICATIONS

Submitted Papers

- Pardos, Z., **Nam, A.** (2018). A map of knowledge. *arXiv:1811.07974.*

Journal Articles

- Koenecke, A., **Nam, A.**, Lake, E., Nudell, J., Quartey, M., Mengesha, Z., Toups, C., Rickford, J., Jurafsky, D., Goel, S. (2020). Racial disparities in automated speech recognition. *Proceedings of the National Academy of Sciences.*

Conference Proceedings

- Pardos, Z., **Nam, A.** (2017). The School of Information and its relationship to computer science at UC Berkeley. *iConference Proceedings.*