

ANDREW JOOHUN NAM

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EDUCATION

Stanford University
Ph.D. in Psychology - Cognitive Science

Sep 2018 - Present
Advisor: Jay McClelland

University of California, Berkeley
B.A. in Computer Science
B.A. in Economics

Aug 2013 - May 2017

RESEARCH EXPERIENCE

Stanford University
Parallel Distributed Computing Lab

Sep 2018 - Present

- 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
Computational Approaches to Human Learning Research Lab

Jul 2016 - Feb 2018

- 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 Networks (PSYCH 162)
- 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
Associate Member of Technical Staff - Software Engineer

Jul 2017 - Aug 2018

- 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
Software Engineering Intern

May 2016 - Aug 2016

- 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 internal Enterprise Resource Planning software towards eliminating dependence on external third-party software

PUBLICATIONS

Pardos, Z., **Nam, A.** (2018). *A Map of Knowledge*. arXiv:1811.07974.

Pardos, Z., **Nam, A.** (2017). *The School of Information and its Relationship to Computer Science at UC Berkeley*. iConference Proceedings.