

Andrew Joo Hun Nam

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Department of Psychology
Stanford University

- Education**
- Ph.D. Psychology (Cognitive) Stanford University
Advisor: James L. McClelland Sep 2018 - Present
- B.A. Economics (3.9/4.0) University of California, Berkeley
B.A. Computer Science (3.8/4.0) Aug 2013 - May 2017
- Research Experience**
- Stanford University Sep 2018 - Present
Parallel Distributed Processing Lab
- Research on abstract deductive reasoning, rule-based learning, and transfer learning through neural network models
 - Experimental investigations of abstract deductive reasoning and rule-based learning in humans
- University of California, Berkeley Jul 2016 - Feb 2018
Computational Approaches to Human Learning Research Lab
- Researched how autoencoder models and embedding spaces from student course data can be used to identify relationships between Berkeley courses
 - Used LSTM RNN models to predict and cluster student behavior using MOOC data
- Industry Experience**
- Salesforce Jul 2017 - Aug 2018
Associate Member of Technical Staff - Software Engineer
- Wrote data resilience and service health monitoring software for Kafka distributed streaming platform
 - Built web application with Angular and Apache Tomcat allowing 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
- Programmed in .NET full stack environment for internal Enterprise Resource Planning software
 - Developed an intelligent cloning feature to automate forms to reduce manual input and improve data integrity
 - Created features in applications to eliminate need of third-party software for data manipulation

**Teaching
Experience**

UC Berkeley: CS 70 Discrete Mathematics and Probability Aug 2016 - Dec 2016
Undergraduate Student Instructor

- Taught students discrete math, graph theory, probability theory, and proof writing for algorithms
- Led discussion sections, held office hours, and staffed homework parties
- Wrote and graded problems for class exams

UC Berkeley: CS 70 Discrete Mathematics and Probability Jan 2016 - May 2016
Reader

- Staffed homework parties and tutored students in discrete mathematics and probability
- Graded students' problem sets

Publications

Pardos, Z. A. & **Nam, A. J. H.** (2018). *A Map of Knowledge*. CoRR preprint, arXiv:1811.07974

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