YUNZHONG HE

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EDUCATION

University of California, Los Angeles *September 2015 - December 2016*
M.S. in Computer Science, focus on Artificial Intelligence and Computer Vision
Currently working at VCLA (Center for Vision, Cognition, Learning and Autonomy) with Prof. Song-Chun Zhu

University of California, Los Angeles *September 2011 - April 2015*
B.S. in Computer Science with a focus on Mathematics
Graduated with Cum Laude, Member of Upsilon Pi Epsilon (Computer Science Honor Society)

WORK EXPERIENCE

Electronic Arts June 2014 - today
Data Engineer Intern at EA Digital Platform - Data Team *Redwood City, CA*

- Work on text mining of some game data, build a statistical model to summerize valuable information
- Integrate the model into Hadoop/Spark, define API and create visualizations of mining results

Amazon Web Services May 2015 - September 2015
Software Development Engineer Intern at AWS CloudDrive - Content Processing Team *Seattle, WA*

- Design and implement services that live on AWS to extract valuable information from uploaded files, perform data normalization and define index to make them searchable by users
- Analyze statistics and perform optimizations to scale the services to production

Qualcomm June 2014 - September 2014
Software Engineer Intern at APT Linux Team *San Diego, CA*

- Work on various features of a test execution engine and a test report management system for Snapdragon processors, build a testing script monitor using Spring MVC and Hibernate
- Work on an Android battery stress tester

Silvus Technologies June 2013 - December 2013
Embedded Software Engineer Intern *Los Angeles, CA*

- Work on Linux custimization and networking softwares of cutting-edge MIMO radios
- Design and implement a user authentication and data encryption module using C and shell scripts

RESEARCH AND TEACHING

Robot Learning from Human Demonstration and Dialogue
A unified framework for robots to learn arbitrary tasks from video demonstrations and dialogue. The knowledge representation is based on a stochastic grammar model, and the system involves feature extraction using auto-encoders, and causality learning from observations. Relevant papers submitted to **NIPS 2016** (first author) and **ACL 2016**

Teaching Assistant at UCLA
Formal Languages and Automata Theory (Fall 2015, Spring 2016)
Mathematical Methods and Models for Computer Science (Winter 2016)

TECHNICAL SKILLS

Computer Languages	C/C++, Java, Python, Lisp, PHP, JavaScript/Jquery, HTML/CSS, Matlab, Assembly
Machine Learning	Familiar with machine learning algorithms and tools, focus on graphical models
Big Data Technologies	Familiar with AWS, Hadoop and Spark
Web Development	Java Spring, CodeIgniter, CakePHP, Joomla, EmberJS, SQL, NoSQL, etc.
Agile Development	Familiar with agile development process and unit testing tools (JUnit, Mockito, etc.)