

# YUNZHONG HE

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## EDUCATION

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### 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

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### 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 summarize 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 customization 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

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### Robot Learning from Human Demonstration and Dialog

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

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### 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.)