

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 2016 - today

Data Engineer Intern at EA Digital Platform - Data Team

Redwood City, CA

- Work on aspect-based opinion mining of EA's game survey data. The model is based on dependency grammar and conditional random field.
- 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

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.

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.)