

Hong Cheng

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EDUCATION

University of Illinois at Urbana-Champaign

Master of Science in Computer Science

Fall 2016 – Spring 2018

Bachelor of Science in Math & Computer Science

Fall 2013 – Spring 2016

Cumulative GPA: **3.7/4.0**

Dean's List, High Distinction

WORKING EXPERIENCE

Software Development Engineer at AWS Control Tower

March 2019 – Present

- *AWS Control Tower: set up and govern a secure multi-account AWS environment*
- *Full stack engineer with focus on designing, testing long-running asynchronous web services*
- *Excellence in automating manual operations and microservice design w/ IaC*

Software Development Engineer at AWS Migration Hub

July 2018 – March 2019

- *AWS Migration Hub: a single location to track the progress of application migrations*
- *Owner of Application Discovery Agent, C++ program runs on-premise to collect data*
- *Created a test platform for agent running on all mainstream server OSs*

Intern at Amazon

May 2017 – August 2017

- *AWS Migration Hub, AWS Application Discovery Service, worked on web services*

Intern at IBM Shanghai

July – August 2014

- *Designed an extensible XML parser used in production with extensive testing*
- *Wrote a guide for Open Client Linux for IBM employees*

Intern at the Ninth City

June 2014

- *Designed & built the first Japanese Mahjong game in Chinese Android Market*

Intern at Newrank.cn

May – June 2015

- *Data mining on the news articles (30,000 per day) to identify the latest trends*
- *Rank the influence of medias on Wechat and Weibo, the top social media in China*

Lead Teaching Assistant of CS 101 – Intro to Computer Science

Fall 2016 – Spring 2018

PROJECTS

Researcher Profiling – A searching engine on researchers' profiles, implementing machine learning techniques for optimization, team led by Professor Kevin Chang

UIUC CSSA Website – CSS Design, XML Parsing, File system

Voice of Champaign Website – Audio File Playing, Voting System

CSSA Basketball Tournament Website – Database System, MySQL, AJAX, JQuery, Visualizations

COMMUNITY SERVICE

Chinese Student and Scholar Association

Vice President

May 2015 – May 2016

- *Managed the association with more than 350 members*
- *Designed and ran the website cssa.uiuc.edu*
- *Administered the social medias of the association covering more than 10,000 followers*

The Director of the Department of Arts and Sports

May 2014 – May 2015

- *Organized a basketball tournament of 200 players*
- *Coordinated with the leading group during UIUC Moon Gala of 1500 attendees*
- *Directed Voice of Champaign of 600 audiences*