

# JINGCHAO TANG

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## EDUCATION

- **University of Southern California**, Los Angeles, CA Jan 2016 - Dec 2017(expected)
  - Master of Science, Computer Science
  - GPA: 3.85 out of 4.0
- **University of Electronic Science and Technology of China** Sep 2011 - Jun 2015
  - Bachelor of Science, Communication Engineering
  - GPA: 3.69 out of 4.0
  - Merit-based Scholarships Winner for 3 Consecutive Years

## REASERCH EXPERIENCE

- **Research on Virtual network Technologies** Summer 2014  
Research assistant
  - Collected data by studying past domestic and overseas researches on bandwidth guarantees for cloud computing
  - Participated in the weekly discussion and design of the bandwidth allocation algorithm
  - Implemented bandwidth allocation algorithms in JAVA

## CLASS PROJECTS

- **Operating System Based on Weenix (C)** Summer 2016
  - Implemented a processes manager, which allowed creation, clone, switching, and termination of processes and threads. Provided thread scheduling and synchronization to support multi-threading
  - Constructed Virtual File System layer based on ramfs and s5fs, including system calls, virtual file nodes and pathname conversion
  - Added virtual memory support to handle address translation, page fault and copy-on-write
- **Congress Information Search Website (Bootstrap, AngularJS)** Fall 2016
  - Constructed a user friendly and responsive congress information search website, including navigation bars, togglable tabs, filters and carousels using Bootstrap and AngularJS
  - Built an Elastic Beanstalk Application to provide an interface to perform congress search queries using Sunlight Congress APIs
  - Improved user experience by using asynchronous JavaScript and JSON to realize sending and retrieving data from AWS

## TECHNICAL SKILL

**Languages:** Java, HTML, C++, C, PHP, JavaScript

**Web Technology:** AngularJS, Bootstrap, JQuery, AJAX