

(Elliscope) Mingzhe Fang

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EDUCATION

University of Southern California, Viterbi School of Engineering
Bachelor of Science, Computer Science

Expected Graduation May 2017
GPA 3.69

SKILLS

Programming Languages:

Applications:

Experience:

C#, C++, Java, HTML/CSS, **JavaScript**, Swift, Qt
Visual Studio, Matlab, GitHub, Adobe Photoshop, Sublime, IntelliJ
MongoDB, Node.js, D3, Bootstrap, OAuth

WORK EXPERIENCE

Disney ABC Television Group, Software Engineering Development Intern

Summer 2015

- Develop an **MultiTouch Screen App** for Dr.Oz TV Show using **Javascript** and existing online libraries.
- Work on Web App Rendering Project using **Chromium Embedded Framework(C#)**

USC Information Laboratory Medical Mobility Data Analysis, Research Assistant

Summer 2014-Present

- Analyze patients' mobility data using **Principal Component Analysis** method
- Compute turning angle and moving speed using **Matlab**

USC Information Technology Services, Student Computer Consultant

Fall 2014-Present

- Answer over **30** phone calls daily to help students and professors troubleshoot computer problems
- Execute **Bash commands** to address accounts, email, and networking problems
- Collaborate with a team of **38** student workers on maintaining and updating IT troubleshooting website

PROJECTS

StudyOn | Developer

Fall 2014

TrojanHack Hackathon | Los Angeles

- Conceptualized StudyOn as an instant study-group-creating WebApp
- Programmed the Front End of Webapp using **HTML**, **CSS**, **JavaScript** and **Foundation Framework**
- Assisted teammate on Back End data base construction using **Parse Cloud Platform**
- **2nd** Place winner out of the 24 teams and over 100 participants

SCalendar | Designer and Back End Developer

Fall 2014

HackSC Hackathon | Los Angeles

- Designed a WebApp that reads in students' customized schedule from Google Calendar and analyze time distribution and peers' ranking
- Programmed Back End data analysis functionality using **Google Calendar API** and **OAuth**

Cinelinek | Co-Designer and Back End Developer

Fall 2014

Comcast NBCUniversal Hackathon | Los Angeles

- Co-Designed a WebApp that recommends movie based on feedbacks of people in one's social network
- Implemented movie keyword search count and ranking system using **Twitter API** and **Spreadfast API**

Netflix Movie Search App | Objective Oriented Programming Class Final Project

Fall 2014

- Implemented fundamental data structure **Map**, **Set** using **Hash Table** in C++.
- Utilized **Graph Theory** and **Breadthfirst Search** for movie recommendation.
- Designed and created Graphical User Interface using **Qt**.

HONORS&AWARDS

- USC Academic Achievements Award in USC 2013 fall semester
- 2013 Year USC Viterbi School Dean's list
- USC Dragon Boat Rookie of the Year