

# Edward Chen

San Diego, CA - Email me on Indeed: [indeed.com/r/Edward-Chen/98606c1b37d28d44](https://www.indeed.com/r/Edward-Chen/98606c1b37d28d44)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

## WORK EXPERIENCE

### **Software Engineer**

Qualcomm - February 2017 to Present

Joined the 5G Air Interface: Downlink Team in San Diego

§ developed a new generation of wireless mobile telecommunication technology

### **Joined the Data Structure Teaching Assistant Team in Urbana**

University of Illinois at Urban-Champaign - Urban, Illinois, US - January 2015 to December 2016

TA Jan. 2015 - Dec. 2016

§ Joined the Data Structure Teaching Assistant Team in Urbana

§ Holding Office Hours and Lab Sections

## INNOVATIONS

Airbnb New User Bookings: predict a country that a new user will make his/her first booking

§ Implemented a decision tree with information gain

§ Accuracy Score: 0.829

MyCourseRating: Provide new statistical information to view course ratings

Improved data accessing time by 50%

[www.mycourserating.com](http://www.mycourserating.com)

Review Mining on Social Justice Media Products: Find relevant and informative reviews

Entropy and improved BM25 models achieved 87% accuracy on relevant reviews

NDCGs and precisions achieved 95% on average

Author of Data Structure and Programming Principle Notes: <http://bit.ly/1LBIf31>

Use simple sentences and pictures to explain data structures and algorithms

Incorporated with the course and TAs found it useful while taking the course

### **Software Development Engineer Intern**

Amazon - May 2016 to August 2016

Joined the Advertising Product: Data Analytics Team in Seattle

§ Worked on Distributed SQL Query and Access Pattern Analysis

### **President of Asian American Dance Club and Asian American Culture Club**

LEADERSHIPS - 2010 to 2012

Leader of the annual Chinese New Year Celebration

Communicated with teachers and staffs for stage reservation, sound, and light control

Solved disputes among groups and Assigned work to stage crew

### **Newspaper Editor**

- 2009 to 2012

Wrote, edit, and selected articles for school newspaper

## EDUCATION

### **B.S. in Computer Science**

University of Illinois at Urbana-Champaign - Urbana-Champaign, IL  
August 2012 to December 2016

## ADDITIONAL INFORMATION

### TECHNICAL SKILLS

Programming: C/C++, Java, Python, Ruby, PHP

Platforms: AWS, Django

Markup: HTML, CSS

Data/Database: SQL, Machine Learning, Data Mining