

# Xinpei Tan

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Seeking full-time software engineering internship

## Education Background

Unveristy of California, San Diego

06/2017 – 12/2019 (Expected)

- Major: Computer Science in B.S.

Current UC GPA: 3.75/4.0

## Skills

Computer Language Skills: C++, C, Java, Javascript, HTML, CSS, Python,

Databases/Tools: Git, MongoDB, mySQL, Vim, MAMP, Postman, Tomcat, Apache, Nginx, Android Studio

Web: NodeJs with ReactJs, ExpressJs, AWS, Firebase, Spring

## Experiences

Remote Internship – Big Data Analyst | **Baidu Big Data Division**

09/2018 – 09/2018

- Implemented **Android** App voice interactive system functions using **DuerOS API** and **DCS sdk**

Full-Stack Web Developer internship | **CAIDA - San Diego Supercomputer Center**

2/2019 – Current

- Worked closely with the UX designer to design and integrate the design into the platform
- Improved the performance of updating and querying data to support hundreds of simultaneous users

## Projects

**Java Web Application Development - Event Search and Recommendation Website**

- Developed an interactive web page to register, login, and search events utilizing **AJAX (HTML, CSS and JavaScript)**
- Created **Java Servlets** with **RESTful** APIs such as Search Events and User Auth to handle **HTTP requests and responses**
- Built **Relational** and NoSQL databases (**MySQL, MongoDB**) to capture events data from **Ticketmaster API**
- Designed **Content-based Recommendation** algorithms to implement events recommendation
- Deployed server side to **Amazon EC2** using **Tomcat** to handle 150 queries per second tested by Apache JMeter.

**MemeMaster - React JS based Meme Creation and Edition Website**

- Developed interactive web pages for users to register, login, create, and edit meme (**ReactJs, Ant Design for CSS**)
- Implemented User Auth and Store Meme information functionality using **Firebase Auth** and **Database**
- Implemented Image Stroage and Image Editing using **Cloudinary** and **Canvas API**
- Designed and Applied **Responsive Web Design** for Better UI on mobile

**FlyerFighter – ReactJs and ExpressJs based Events Posting and View Website**

- Designed the **database** schema and implemented it using **MongoDB**
- Implemented **Login and Sign Up** page using **ReactJs** and with basic token based flow with **React Router v4**
- Implemented server-side user authentication and session using **expressJs** with **MongoDB**

**WeTrip – ReactJs based Webite**

- Implemented Route Visualization using **react-google-map** and **Google Map API** to search places and draw routes
- Designed **Route Generating Algorithms** to implement main route generater functionality
- Designed **Database Schema** and Implemeted Plans Storage and Read Plans from Firebase Database

**UCSD CSSA Duanzu – ReactJs and ExpressJs based Shortterm Leasing Platform Website**

- Created a housing resource adding page using **Materilize CSS**
- Implemented **AJAX API** on the back-end on user table from **MongoDB**