

Alan Ma

Enabling people through infrastructure and data discovery

B.S. Computer Science / 2017 / Univ. of Texas at Austin

Experience

Software Engineer Intern / Pandora

Summer 2017

- Instrumented metrics in **Airflow** and **Consul** with **Prometheus**
- Automated deployment through **Ansible**
- Contributed to Apache **Airflow** sourcecode

Proctor / Univ. of Texas at Austin

Spring 2017

- Provided support with Amazon **Redshift** and **Postgres**
- Performed ETL process for data warehousing project
- Investigated open source music databases

Software Engineer Intern / vAuto

Summer 2016

- Processed logs through **Logstash** and **ElasticSearch**
- Automated report generation using **SOQL** and **Google Analytics**
- Created training system using **OpenCV** and **GoPro**

Big Data Intern / AT&T

Summer 2015

- Developed a metadata analysis tool using **Docker** and **Spark**
- Visualized metadata in **HDFS** with **Three.js** and **D3.js**

Interactive Data Scientist / The Daily Texan

Fall 2015

- Utilized **D3.js** and to build a student government campaign site
- Maintained the online newspaper website in **Drupal**

Big Data Intern / AT&T

Summer 2014

- Prototyped "Connected Car" app using **Sinatra** and **MongoDB**
- Reworked the internal organizational chart with **D3.js**

Leadership

President / Assoc. for Computing Machinery

Fall 2016 and Spring 2017

- Hosted talk from Reddit C-level executive, Marty Weiner
- Organized programming competitions
- Maintained sponsorship relations with companies

Webmaster / TASA

Fall 2014 to Fall 2016

- Implemented website using **Flask** and **Postgres**
- Redesign org website and informational pamphlet
- Maintained alumni connections for members

Contact

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Skills

Python, Javascript, Java, Unix

Illustrator, Photoshop, Google Analytics

Organizer, Volunteer

English, Mandarin

Project

Sniffer

Map displaying stray animals around Austin containing helpful attributes to affirm that it is your pet

Visual/Audio

3D music visualization to accompany spotify

Pocket

Text various console commands via a phone number to accomplish simple tasks like compute equations, sample code, etc.

RedditBoard

Image platform intended to emulate dribbbleboard's ease of content browsing

Bullets

Recreation of Touhou Project with a space theme

Downtale

Game made in Ogre3D where the player tries to fall as fast as possible without colliding with obstacles