Naitian Zhou

I like computers. Do you like computers?

naitian.org
github.com/naitian
naitian@naitian.org
(832) 398-3229

EDUCATION

2014 - 2018   **Thomas Jefferson High School for Science and Technology**

AP Computer Science + Data Structures	Multivariable Calculus
Artificial Intelligence 1 & 2	Linear Algebra
AP Calculus BC	Computer Systems Research

EXPERIENCE

Student Sysadmins
2016 - Current

**Intranet Lead,
Systems Administrator**

Manage the Ion, the student intranet. Use Django, HTML, SCSS, JavaScript, and Linux to manage a production code environment and virtual machines. Work with a large codebase that serves over two thousand student and staff every day.

Traveler Enterprise
2016 (Summer)

Web Development Intern

Use PHP, MySQL, and web technologies to build internal hotel booking and inventory management system. Work on enterprise codebase. Designed and developed prototype of new UI. Implemented analytics features that increased efficiency.

TJ Dev Club
2016 - Current

Co-President

Give weekly lectures on a variety of web development frameworks, libraries, and technologies, including WebVR and React.

Threshold Literary Magazine
2017 - Current

Spread Designer

Use Adobe InDesign to create spreads for Threshold Lit Mag, TJHSST's literary magazine. Optimize designs for print and create vector illustrations.

PROJECTS / OPEN SOURCE

Buttercup
Open Source
Electron, JavaScript, HTML, CSS, Backbone.js

Contributor

A native open source password manager built with Electron
Made design and functional improvements that have been accepted, working on a large codebase written with web technologies, including Backbone.js.
Over 200k downloads.

Lighthouse
HackTJ 2017, Palantir Social Impact Prize
Python, React Native, Flask, MongoDB

Backend Developer

An Android app that matches people up with temporary shelter in times of crisis. The app was featured in tjToday. Wrote a backend using MongoDB and Flask to serve up data.

TJ Admissions Classifier
Personal Project
Python: Pandas, Numpy, Tensorflow

Developer

Used historical TJ admissions data to write a classifier using Tensorflow that predicts likelihood of admission into TJ based on demographic information and test scores. Accuracy of over 80% (which is good until you consider the rejection rate is over 80%).

Facebook Reacts Analysis
Personal Project
Python: Pandas, Numpy, Selenium, BeautifulSoup

Developer / Author

Scraped Facebook data on profile picture like counts to analyze the percentage of a user's friends to find a "sweet spot" in number of actively participating friends. Read more at: https://naitian.org/blog/2017/04/15/Do-My-Friends-Care-About-Me/.

more projects at naitian.org/projects and github.com/naitian

SKILLS

WEB	**DESIGN**	**DATA / AI**	**PROGRAMMING / MISC.**
JavaScript, HTML5, CSS3, SASS, PHP, Django, React, SQL	Adobe Illustrator, Adobe Photoshop, Affinity Designer	Python, Matplotlib, NLTK, Tensorflow, Web Scraping, Keras	Java, Python, Git, Bash, Nginx, Linux, Libvirt, Ansible, Vim

More information at naitian.org.