

# Naitian Zhou

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## EDUCATION

2014 - 2018

### Thomas Jefferson High School for Science and Technology

AP Computer Science + Data Structures  
Artificial Intelligence 1 & 2  
Calculus BC

## EXPERIENCE

### TJ Dev Club

2016 - Current

### Co-President

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

### Student Sysadmins

2016 - Current

### Systems Administrator

Manage the Ion, the student intranet. Use web technologies such as Django, HTML, SCSS, JavaScript as well as Linux to manage a production code environment. Work with a large codebase.

### German Honor Society

2016 - Current

### Web Designer

Designed the GHS website with Affinity Designer to create a mobile-ready, visually appealing design that can be painlessly implemented with code.

### 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.

### Lighthouse

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

### Developer

An Android app that matches people up with temporary shelter in times of crisis  
([lighthouse.naitian.org](https://lighthouse.naitian.org))  
Wrote a backend using MongoDB and Flask to serve up data.

### TJ Admissions Classifier

Personal Project  
Python: Pandas, Numpy, TFLearn

### Developer / Author

Used historical TJ admissions data to write a classifier using TFLearn that predicts likelihood of admission into TJ based on demographic information and test scores.

### 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, in an attempt 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](https://naitian.org/projects)

## SKILLS

### WEB

JavaScript, HTML5, CSS3,  
SASS, PHP, Django

### DESIGN

Adobe Illustrator, Adobe  
Photoshop, Affinity Designer

### DATA / AI

Python, Matplotlib, NLTK,  
TFLearn, Web Scraping

### PROGRAMMING / MISC.

Java, Python, Git, Bash, Nginx,  
Linux

More information at [naitian.org](https://naitian.org).