

# Naitian Zhou

My code is compiling model is training...

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## EDUCATION

2018 – 2022

B.S.E. Computer Science

### University of Michigan, Ann Arbor

Programming + Data Structures  
Discrete Mathematics

Multivariable Calculus

Linguistics

2014 - 2018

### Thomas Jefferson High School for Science and Technology

AP Computer Science + Data Structures  
Artificial Intelligence 1 & 2

Linear Algebra

Computer Systems Research

AP Calculus BC

## EXPERIENCE

### Capital One

June 2018 – August 2018

### Technology Intern, Product Upgrades

Created **Kibana** dashboard to track **Java Spring** API performance, caught **production critical** bug. Contributed and helped deploy API changes to production **AWS**. Followed **Agile** development methodologies. Worked on computer vision solution to syncing agile Kanban board with Jira.

McLean, VA

### Student Sysadmins

2016 – 2018

### Intranet Lead

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

Alexandria, VA

### Traveler Enterprise

July 2018 – August 2018

### Web Development Intern

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

Fairfax, VA

### TJ Dev Club

2016 - 2018

### Co-President

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

### Threshold Literary

2017 - 2018

### Art and Design Editor

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

## PROJECTS / OPEN SOURCE

### Buttercup

Open Source

### 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. Electron, JavaScript, HTML, CSS, Backbone.js**

### Lighthouse

HackTJ 2017, Palantir Social Impact Prize

### 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.  
**Python, React Native, Flask, MongoDB**

### TJ Admissions Classifier

Personal Project

### 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.  
**Python: Pandas, Numpy, Tensorflow**

### Facebook Reacts

Analysis

Personal Project

### 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/>.  
**Python: Pandas, Numpy, Selenium, BeautifulSoup**

more projects at [naitian.org/projects](https://naitian.org/projects) and [github.com/naitian](https://github.com/naitian)

## SKILLS

### WEB

JavaScript, HTML5, CSS3, SASS, Django, Vue, React, PHP, SQL

### DESIGN

Adobe Illustrator, Adobe Photoshop, Adobe InDesign, Affinity Designer

### DATA / AI

Python, Matplotlib, NLTK, Tensorflow, Web Scraping, Keras

### PROGRAMMING / MISC.

Java, Python, Git, Bash, Nginx, Linux, Libvirt, Ansible, Vim, AWS, Gherkins, Kibana

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