

Naitian Zhou

My code is compiling, model is training...

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EDUCATION

2018 – 2022

B.S.E. Computer Science
(intended)

University of Michigan, Ann Arbor

Programming + Data Structures

Multivariable Calculus

Linguistics

2014 - 2018

Thomas Jefferson High School for Science and Technology

AP Computer Science + Data Structures

Linear Algebra

AP Calculus BC

Artificial Intelligence 1 & 2

Computer Systems Research

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.

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**. Work with a large codebase that serves over **two thousand student and staff** every day.

Traveler Enterprise

July 2018 – August 2018

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 - 2018

Co-President

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

Threshold Literary

Magazine

2017 - 2018

Art and Design Editor

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

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 and github.com/naitian

SKILLS

WEB

JavaScript, HTML5, CSS3, SASS,
PHP, Django, React, 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.