

EDUCATION

2014 - 2018

Thomas Jefferson High School for Science and Technology

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

EXPERIENCE

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 and virtual machines. Work with a large codebase.

Traveler Enterprise

2016 (Summer)

Web Development Intern

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

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.

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)
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 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

Javascript, HTML5, CSS3,
SASS, PHP, Django, React,
SQL

DESIGN

Adobe Illustrator, Adobe
Photoshop, Affinity Designer

DATA / AI

Python, Matplotlib, NLTK,
TFLearn, Web Scraping,
Keras

PROGRAMMING / MISC.

Java, Python, Git, Bash, Nginx,
Linux, Libvirt, Ansible, Vim

More information at naitian.org.