

# Jonathan Wang

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## EDUCATION

**University of Massachusetts Amherst**, Computer Science  
Amherst, MA | Sep 2018 - May 2022

## EXPERIENCE

### Booz Allen Hamilton, Software Engineering Intern

Annapolis Junction, MD | June 2021 - August 2021

- Designed and implemented a (FReMP stack) web app on a server to detect a single/cluster of fake twitter accounts given a typed tweet and output accounts that were associated with the tweet
- Scaled the web app to handle increased Flask API requests by creating a load balancer on several Amazon EC2 Linux servers.
- Led the product development of the project and held daily meetings with the entire team discussing goals and benchmarks.

### Booz Allen Hamilton, Software Engineering Intern

Annapolis Junction, MD | June 2020 - August 2020

- Built a web app to look at camera footage and detect anomalies before a disaster occurs with a ML model developed from scratch.
- Responsible for setting up servers and designing the web app with Node.js.
- Designed a system capable of accepting uploaded video footage and displaying an interactive graph with results indicating if a situation is normal or not.
- Developed professional skills by personally reaching out to other engineers and attending weekly talks by senior executives provided by Booz.

### Talk Hiring, Web Engineering Intern

New York City, NY | June 2019- August 2019

- Used Typescript and Python to help redesign their website.
- Scale the website as user traffic increases linearly over time.
- Demonstrated to decrease loading time on web pages by 40%.
- Participated in company wide code reviews on a weekly basis which reduced the company code base by 14% overall.

### Google Inc, CSSI Intern

New York City, NY | July 9, 2018 - July 27, 2018

- Selected as one of 30 students who participated in an intensive 3 week programming institute learning web app development in HTML, CSS, Javascript, Python and Google AppEngine from Google engineers.
- Participated in an intensive, three-week coding bootcamp focused on programming and web app development
- Learned HTML/CSS, Javascript, Python and Google App Engine from Google engineers over a two-week period

## SELECTED PROJECTS

### Project Yellow Ghost, Final Project Spring of 2021

Remote | May 17, 2021 - June 4, 2021

- Designed and deployed a [web app](#) cloned version of SnapChat as a solo final project, had to have a fully functioning product in under 3 weeks from scratch.
- Learned Google Firebase and Google Cloud to store images, authenticate users, and store chat in 3 weeks as a final account information.
- Peaked at 23 users using the product simultaneously with no issues.

## COURSEWORK

Introduction to SQL  
Data Structures  
Calculus I, II  
Linear Algebra  
Low Level Programming  
Introduction to Algorithms  
Computer System Principles  
Statistics I  
AI Ethics Seminar

## SKILLS

### Proficient with:

Python  
Javascript  
HTML5 / CSS / SCSS  
Linux Command Line

### Experienced with:

C  
Java  
React Native  
Flutter  
Google App Engine

### Software used:

Google Firebase  
Docker  
MongoDB  
SQL  
Amazon EC2 Linux Server  
Google Cloud  
Virtual Box / VM  
WebRTC  
Linux  
MacOS  
Windows

### Frameworks / Libraries:

React JS  
Node.js  
Bootstrap  
Chrome Extension API

## AWARDS

### NYC VR Hackathon -

Received "Best Game award".

**Pennapps** - Received "Best Financial Tech Hack"

### Hackathons/Competitions Attended

Google Code Jam 21'  
Yale Hacks 18' 19'  
HackRU 18' 19'  
HackUMass 18' 19'  
Pennapps 18'  
NYC VR Hackathon 17'