

# Matthew Wong

Full Stack Engineer / Backend Engineer

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## Frontend

jQuery  
ReactJS

## Backend

Python/Flask/Django  
NodeJS  
ExpressJS

## Databases

MySQL  
PostgreSQL  
MongoDB  
Hadoop  
IBM DB2

## Infrastructure

Git/Github  
CircleCI  
AWS (EC2, S3,  
Cloudfront, RDS)  
Heroku  
Docker

## Accomplishments

Recognized by the following companies for discovering vulnerabilities on their websites.

- Microsoft (6x)
- Apple (5x)
- Indeed (2x)
- Adobe (1x)
- eBay (1x)
- Amazon (1x)

## Hackathons

- Best use of AWS @ AngelHacks 2019
- 2nd place overall @ HackNY 2018

## Experience

### BDIPlus – Full Stack Engineer

Jun 2020 – Present

- Worked on a microservice that is responsible for \$800M of the company's annual revenue.
- Created a system to license and distribute the company's product to each client and also provides live updates to each client's deployment of the product.
- Optimized a Hadoop query that was executed every day for a month to extract every available company's stock ticker transactions to return results faster by 36% (1 hour 15 minutes to 48 minutes).
- Queried multiple tables with over 53 billion rows to analyze market data for statistics to be displayed for stakeholders.
- Took a ~4-hour long task that required manually running queries and automated it, cutting down the time it would take to complete the task by 90%

### Scribbl.es – Full Stack Engineer

Apr 2017 – Jun 2020

- Managed deployment of a Django application and MySQL/Redis database using DigitalOcean.
- Stored user generated content and website assets using AWS S3 buckets and CloudFront as a CDN.
- Migrated parts of frontend codebase that utilized Adobe Flask to native JavaScript.
- Maintained a user community website that receives traffic peaking at 900 unique visitors a day.

### Noodle Partners – Software Engineer Intern

Jun 2019 – Aug 2019

- Responsible for migrating over 1 million rows of student data from HubSpot to a Postgres Data Lake.
- Reformatted data retrieved from Salesforce to be compatible with clients' learning management system.

## Projects

### DineSplit

Jul 2021 – Current

- An application used for assisting bill payers to split the cost of the meal with their friends, acquaintances, and/or co-workers.
- Images of receipts are converted into text with Tesseract and parsed using regular expressions to extract metadata about the bill.
- The frontend uses React to facilitate the assignment of items and calculating the costs of person from the receipt.

## Education

Hunter College – B.A. Computer Science

Dec 2019