

# JEONG YEON (AVA) CHOI

## Software Engineer/ Web Developer

Queens, NY

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P: <https://avachoi.github.io/portfolio/>

## TECHNICAL SKILLS/ PROGRAMMING LANGUAGE

- **Front end:** Javascript, React.js, Redux.js, HTML, CSS, SASS, JQuery, RESTful APIs, Axios, AJAX
- **Back end & others:** Node.js, Express.js, SQL, PostgreSQL, sequelize, Git, GitHub, Mocha, Chai, Heroku, Webpack

## PROJECTS

**Cov19NYC** | Fullstack Developer | <https://cov19-nyc.herokuapp.com/>

A full stack web app to keep track of Covid-19 cases in NYC.

- Utilized React lifecycle methods with Webpack to dynamically render Covid19 NYC data.
- Designed and built a choropleth map of NYC divided by zip code using D3.js to help user visualize the data.
- Deployed a server to Heroku instance using Docker to provide a consistent environment.
- Tech Stack: HTML/CSS, Javascript, React, D3.js, Node.js, Express.js, Webpack, Docker.

**World of Arcana** | Fullstack Developer | <https://world-of-arcana.herokuapp.com/game>

Web application for a fantasy themed massively Multiplayer Online Role Playing Game written in Javascript. Features includes fully synchronized multiplayer, chat, multiple zone, combat, leveling system, and player inventory.

- Implemented user experience on the game dashboard, with react and redux.
- Connected Phaser and React using sockets & event emitters to render information from the database.
- Built a database and server-side for users, characters, and maps.
- Tech Stack: NodeJS, Javascript, PostgreSQL, Sequelize, Express, React, JWT, Redux, and Material UI, Socket.io, Phaser, Tiled, Texture Packer.

## EXPERIENCES

### Graphic Designer

*Feel Beauty Supply, Queens, NY*

01/19-07/19

- Designed web banners and web contents on the company e-commerce site, including newsletters, coupons to aid in promoting 30 stores
- Managed updating products and news on the e-commerce site by operating the e-commerce platform ([Magento](#)) and social networks to reflect new products and branding

## CERTIFICATION

### Goldman Sachs Engineering Virtual Program

07/22-07/22

Participated in the open access Goldman Sachs Virtual Experience with Forage

- Analyzed current password database to discover vulnerabilities around password policy and security controls
- Identified the hashing algorithm used was MD5 and utilized hashcat to decode the passwords
- Proposed solutions to increase security by implementing slow hashing algorithms such as bcrypt, scrypt, and PBKDF2 and salting to intentionally slow down calculation time

## EDUCATION

**Grace Hopper Program at Fullstack Academy, New York, NY**

08/21-10/21

An immersive software engineering program centered on full-stack JavaScript development.

**Queens College CUNY, Queens, NY**

Bachelor of Arts, Biology

03/11-02/14