

# Emily Fang

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## EDUCATION

### Hunter College, New York, NY — B.A. Computer Science

August 2018 – Anticipated May 2022 / Dean's List/ Daedalus Honors Scholarship Recipient / GPA: 3.85

#### Relevant Coursework:

Data Structures and Algorithms · Discrete Structures · Software Analysis & Design · Computer Architecture · Computer Theory · Operating Systems · Introduction to Blockchain · Relational Databases & SQL Programming · Database Management · Advanced Programming Languages · Practical Web Development · Digital Product Development

#### Extracurriculars/Activities:

Hunter College Esports & Game Design [Game Design Fellowship: Sept. 2018–Sept. 2019]

#### Leadership:

Hunter College Association of Computing Machinery Chapter [Secretary: Aug. 2019–Sept. 2020]

## SKILLS

- **Proficient:** C++ | CSS | HTML
- **Experienced in:** JavaScript | React | Python | Git/Github | React Redux | Unix/Linux | Node.js | MySQL | Solidity | SASS/SCSS | Haskell | Webpack
- **Languages:** English (Native) | Japanese (Intermediate) | Cantonese (Basic)

## PROJECTS

### DotPolitics

Jan. 2021 – May 2021

<https://github.com/ef1301/DotPolitics>

[React / CSS / Javascript / Google Civics Info API / Figma]

- Designing and leading the front-end and back-end development of the search engine-esque accessible web app to conduct queries for political representatives and polling locations based on location.

### Supply Chain Smart Contract

Dec. 2020 – Dec. 2020

[https://github.com/ef1301/supply\\_smart\\_contract\\_](https://github.com/ef1301/supply_smart_contract_)

[Solidity]

- Designed a publishable smart contract for the Ethereum blockchain network to manage the inventory and relationship between manufacturers and retailers by tracking and propagating manufacturer inventory (in terms of quantity and batch numbers) information and orders.

### WegMenu

Feb. 2020 – Feb 2020

<https://github.com/jzaia18/TheWegMenu>

[Flask / CSS / Wegmans API / Edamam API]

- Developed visual appealing and mobile friendly pages to create a weekly meal planner to accommodate dietary restrictions by highlighting ingredients that do not fit the restrictions and suggesting Webman alternatives.

### Byte Me

Jan. 2020 – Jan. 2020

<https://github.com/ef1301/restaurant-frontend>

[React Redux / CSS / Javascript]

- Implemented CRUD front-end operations using React Redux to create shopping cart operations for E-commerce.
- Designed and led front-end development from the registration to checkout views to replicate commercial operations such as making purchases and deliveries.

## EXPERIENCE

### NYC Department of Transportation — Software Engineering Intern

Jul. 2020 – Present

Trained in user accessibility and utilized webpack to create a simple styling guide that utilizes the ArcGIS mapping API. Tested and edited a mapping program for traffic directions using ESRI's ARCGIS Online during QA.

### Electronic Gaming Federation — Software Engineering Intern

Jan. 2019 – Jun. 2020

Implemented and corrected UI/UX of EGF's React web application to support responsive design and mobile friendliness based on previous CUNY TTP cohort internship work.

### Hunter Google Mentorship — Student Mentee

Nov. 2019 – Sep. 2020

Paired with a Google senior software engineer to encourage discussion regarding career development, data structures, and code management.