

**EDUCATION**

Sept 2022 - Dec 2023 (Expected) **New York University, New York, USA**  
**Masters of Science (3.67);** New York University Shanghai, Bachelor of Science, Computer Science; Business minor  
 Relevant Coursework: Algorithms Design, Computer Graphics, Offensive Security, Software Engineering

**EXPERIENCE**

Jun 2023-Present **Coding it Forward**  
 Full-Stack Software Fellow at MAPC

- Designed software architecture for a React, Next.js, PostgreSQL, webapp serving rental listing data to municipal planners. Ran user interviews and created UI/UX Figma flows to best meet user needs.
- Worked with Mapbox, and Airtable to improve interactive functionality and design a secure flow of user contribution data to Trailmaps webapp. Refactored website to increase responsive and accessible design.
- Using ReactJS, D3.js, with an Airtable backend developed Muni Emoji, a community engagement and creative coding project reaching internal MAPC staff, general public, and even legislators.

Jun 2021-Feb 2023 **Hall Pass Studios at NYU**  
 Software Engineer / Art Director

- Designed and built two full-stack React webapps serving thousands of users
- Used Firebase for user analytics, tracking user progress and engagement
- Organized and managed workflow of a team of five artists, and oversaw quality and visual direction
- Pitched executive NYU stakeholders to secure expert advisor support and funding

May 2019-Aug 2019 **R/GA**  
 Software Engineer / User Experience Design Intern

- Developed a hybrid web app prototype using Cordova for ordering food in person via QR code
- Composed pitch decks for ad campaign proposals to share with advertising clients
- Designed user experience flows and conducted market research for campaign targeting

**PROJECTS**

June 2022 **Commission Tracker**

- Developed a NextJS webapp using React and Typescript to help artists create profiles to track and organize progress on commissions and notify users on updates. Using Prisma ORM to interface with PostgreSQL database
- Interactive tracker react component published as a public NPM package.

May 2021 **Interactive Visualization of Schwarz-Christoffel Mapping**

- Developed a Django webapp serving a React static page calculating SC conformal Mapping on a polygonal domain, providing the first web resource for liquid physics simulations; hosted on Heroku

**TECHNICAL**

**Stack:** React.js, JavaScript, Python, SQL, MongoDB, C, C++, Django, HTML, CSS, NPM, PostgreSQL  
**Other:** OpenGL, Godot, ExpressJS, NextJS, Adobe Photoshop, Figma, GitHub, SQLite, Binja, Burpsuite, D3.js, Typescript, Esri

**LEADERSHIP**

Sept 2018-May 2019 **HACK THE PEARL 2019 (HSBC Data Modeling Competition)**  
 Co-Founder / Director of Events & Coordinator

- Managed sponsorships, designed promotional materials, and coordinated event logistics for the first-ever joint data modeling hackathon in China
- Successfully raised over 80,000 RMB from sponsors such as Intel and Ruffood with HSBC as our title sponsor, for over 60 participants

**Other:**

2023 Participant, **UCLA's LACTF**

2021 Participant, **Stanford University's Treehacks**

2021 Dean's List, **NYU Shanghai**

2018-2023 5-Year Participant, **Global Game Jam**

2019-2020 Marketing Committee, **Asian Heritage Month NYU New York**

2018-2019 Co-Founder and Secretary, **SPLICE Computer Science Student Organization**

2018-2019 President, **NYU Shanghai Volleyball Club**