

# Christine Lai

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## EDUCATION

### New York University Stern School of Business

New York, NY

Bachelor of Science in Economics, Computer Science (Dual Major with the Courant Institute)

May 2022

Relevant Coursework: Data Structures, Statistics for Regression, Basic Algorithms, Natural Language Processing, Machine Learning, Applied Internet Technology

Awards: 3<sup>rd</sup> place in NYU's VC Competition (2019); Participant in HackItTogether (2019), HackAgainstCovid (2020)  
Extracurriculars: Strategic Venture Society, Business Analytics Club, Undergraduate Women in Business

GPA: 3.75/4.0

## EXPERIENCE

### BlackRock

New York, NY

Summer Analyst

Jun 2021 – Aug 2021

- Used Java to write scalable backend functionality for onboarding new clients to be deployed in October.
- Built APIs using gRPC and protobufs for a Cassandra-based system to fetch and persist 1000+ transactions.
- Wrote unit tests using JUnit for all code written and manually tested API calls through Postman.
- Integrated frontend interface with backend APIs to give a working live demo to product managers.

### Intel Corporation

Hudson, MA

Validation Intern

Jun 2020 - Dec 2020

- Wrote Python script that performs file parsing for two .log files simultaneously, generating combined output.
- Developed a Perl script to convert XLS and CSV files into XMLS format to be used by post-si DFTB tools.
- Cross-checked feature functionalities and architectural plans against RTL code through Verdi waveforms.
- Ran test lists in Granite with randomized seeds and organizing the resulting failures into triage buckets.
- Debugged failures appearing in testlists and modifying test sequences in SystemVerilog to match RTL.

### NYU CAS IT Department

New York, NY

Software Developer

May 2019 - May 2020

- Collaborate with team of 3 to build and maintain online web apps used by 1500+ NYU students and staff.
- Utilize ReactJS, HTML, Redux, and Ant Design to create responsive webpages, including forms and pages.
- Receive and send data to database of 1500+ students using PHP and MySQL with strict security practices.
- Use Codeception to integrate unit, functional, and acceptance testing of working and launched applications.

### Kumon Math and Reading Center

Acton, MA

Tutor

Jul 2017 - Jul 2018

- Taught 15+ children between ages of 4-10 basic math, reading, and phonetic skills over the course of a year.
- Tracked and mapped 50+ students' growth graphically using Excel to individually tailor student curriculum.
- Coordinated with Program Director to promote and expand community outreach via phone calls and fliers.
- Developed relationships with ~20 students and their parents to determine goals and communicate progress.

### MIT Mechanical Engineering Lab

Cambridge, MA

Research Intern

Jul 2017 - Aug 2017

- Taught myself how to use Matlab in under 1 week to successfully write and implement searching algorithm.
- Analyzed numerous 3D data sets of over 1,000 data points to find and track wake's void fraction over time.
- Used tecplot to build a simulation of a wake's progression and to predict movement of and within the wake.

## PROJECTS

### Public Bathroom Map, Javascript, MongoDB, Heroku

April 2022

- Built a website from scratch, including wireframe, that acts like Yelp for public bathrooms using Javascript.
- Used Google API to map locations, MongoDB Atlas to store data, and Heroku for deployment.

### Student Petition Portal, ReactJS, HTML, PHP

Jul 2019 - Jan 2020

- Designed an online platform accessible by 20,000+ students and administrators with login security features.
- Integrated MySQL database into backend and responsible for maintaining and updating student portal site.

## SKILLS

**Computer Skills:** JavaScript, ReactJS, TypeScript, Java, PHP, HTML/CSS, SQL, MongoDB, C/C++, Python, Perl, Matlab, Git.

**Languages:** English, Mandarin, French.

**Interests:** Jigsaw puzzles, sourdough, swimming, reading, running, skiing, Yelp.