

CAROL HE

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EDUCATION

New York University: Courant Institute of Mathematical Sciences

New York, NY

B.A. in Computer Science, Minor in Web Programming and Applications

Sep 2015 - May 2019

Computer System Orgs, Operating Systems, Basic Algorithms, Parallel Computing, Social

Networking, Discrete Math, Linear Algebra, Intro to Computer Security, Intro to Machine Learning.

Cumulative GPA: 3.69/4.00

EXPERIENCE

Justworks

New York, NY

Software Engineering Intern

May 2018 - Present

- Launched a tool to update nontaxable payment types to allow an instant turnaround time for payment type switching.
- Redesigned forecasts dashboard to display previously forecasted payments as new ones load.

Courant Institute of Mathematical Sciences

New York, NY

Grader - Applied Internet Tech

Sep 2017 - May 2018

- Graded students' weekly projects regarding full-stack web development, coded in JavaScript.

TEDxGramercy

New York, NY

Web Developer Intern

June 2017 - Dec 2017

- Utilized AWS services such as Cloudfront, Lambda, and API Gateway to help build website functions such as creating a ticket charge form with the Stripe API.
- Buyers were able to purchase tickets easily and first event in over two years sold out online.

EXTRACURRICULARS

Women in Computing

New York University

Officer - Webmaster

Sep 2017 - Present

- Updates SquareSpace website with relevant information, such as upcoming events.
- Attends monthly meetings and other events hosted by WinC.

Tech@NYU

New York University

EBoard Member - Infrastructure Team

Oct 2017 - Present

- Maintains and updates tools used by Tech@NYU (view on github.com/techAtNYU/).
- Makes PRs to resolve issues working with JavaScript, Angular, HTML/CSS, etc.
- Attends weekly meetings for both the infrastructure team and the general board.

PROJECTS (more on github.com/carol-he)

Tabbie - Chrome extension to keep your tabs organized and condensed. Closes your tabs and saves them onto one page in one click. **[JavaScript, Node.js, Chrome API, HTML/CSS]**

ReversiChat - Web application that allows you to chat with others online, play Reversi, and compete in a leaderboard. **[JavaScript, Node.js, MongoDB, HTML/CSS, Socket.io, Express, Bootstrap, Heroku]**

Parallel Linear Equations - Implements the MPI package using C to solve N linear equations in parallel using the Jacobi iterative method. **[MPI, C]**

CPU Get Max - Uses CUDA to compute the maximum value of an array of X random numbers [0 to X] on a GPU in parallel. **[CUDA, C]**

TECH SKILLS

Languages: Java, Javascript, React, Ruby, Python, HTML, CSS

Technologies: MongoDB, SQL, Git, UNIX, Photoshop, Lightroom