

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: 3.70/4.00

EXPERIENCE

Justworks

New York, NY

Software Engineering Intern May 2018 - May 2019

- Redesigned, built, and deployed a payments forecast dashboard viewed by all clients to display previously forecasted payments as new ones load using Rails and React.
- Spearheaded a large project to rebuild the internal email dashboard and allow all emails sent out to be viewed by all internal employees in an organized fashion, using React, Redux, and Rails.

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 - Marketing Editor / Webmaster

Sep 2017 - May 2019

- Creates flyers, posters, and social media posts for promotions or events useful for WinC members.
- Currently revamping WinC's Twitter, Instagram, and overall online branding to gain more traction.
- Keeps the club's website up to date ([view on nyuwinc.org/](http://nyuwinc.org/)) and curates a monthly newsletter.

Tech@NYU

New York University

EBoard Member - Infrastructure Team

Oct 2017 - May 2018

- Maintains and updates tools used by Tech@NYU ([view on github.com/techAtNYU/](https://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](https://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]**

GPU 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