

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 Environmental Studies

Sep 2015 - May 2019

Intro to Web Design, Data Structures, Computer System Organizations, Operating Systems,

Applied Internet Tech, Parallel Computing, Social Networking, Discrete Mathematics, Linear Algebra.

Cumulative GPA: 3.64/4.00

EXPERIENCE

Courant Institute of Mathematical Sciences

New York, NY

Grader - Applied Internet Tech

Sep 2017 - Present

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

TEDxGramercy

New York, NY

Web Developer Intern

June 2017 - Present

- 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.
- Attended weekly meetings to address most prominent tasks for building the website.
- Allowed users to view current and former events and speakers and purchase tickets online.

EXTRACURRICULARS

Women in Computing

New York University

Officer - Webmaster

Sep 2017 - Present

- Regularly updates SquareSpace website with current information.
- Updates Google Calendar found on the website.
- Attends monthly meetings and other events hosted by WinC.

CACTES Association

cactesassociation.org

Senior Executive - Website Design

Dec 2016 - June 2017

- Responsible for maintaining association's website on SquareSpace.
- Revamped old website and made functional and aesthetic improvements regularly.
- Increased number of website visits by an average of 14% in 3 months.

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]**

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

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

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

Programming Languages

- Java
- JavaScript
- C
- HTML/CSS
- x86 Assembly
- Python

Technologies

- Git
- Bootstrap
- UNIX
- Node.js
- MongoDB
- Express
- AWS
- Photoshop
- Ajax

AWARDS

AT&T Mobile App Hackathon: Ultima [1st Place]
(github.com/emeralni/ultimaApp)

- Assisted with the development of Ultima Smart Systems, an app that provides augmented knowledge during emergencies.

Features video calling, location services, detailed escape information, etc.