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 – Dec 2017
- 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)

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. **[JS, 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

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/emerani/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.