

## Yifan (Eva) Zhong

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<https://github.com/Eva-Zhong>

### EDUCATION

**Carleton College**, Northfield, MN

2015 - 2019

Bachelor of Arts: Computer Science, Cognitive Science Concentration

Related Courses: Software Design, Data Structure, Intro to Computer Science, Calculus III, Mathematical Structures, Linear Algebra, Applied Mathematical Consulting

GPA: 3.79/4

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### PROJECTS

**Othello Game with graphics** (<https://github.com/Eva-Zhong/Othello-Game-Python>) Jan. - March 2015

- Pair programmed and designed graphic interfaces for the game Othello in Python
- Added AI component which beats almost all the human players who participated in the testing

**Java Game: Expanded version of 2048** (<https://github.com/Eva-Zhong/2048-Java>) Jan. 2017 - Present

- Develop the game 2048 in Java with two partners
- Add advanced features to the original game: added level II where the tiles and the board would rotate; and level III where two tiles with the same number would be subtracted (still working on the last feature)
- Lead the design, graphics and animation of the game

**Digital Humanities Project: Witnessing the Boston Massacre** March. 2017 - June. 2017

- Cooperated with the digital humanities department and a group of 30 students to develop a video game that recreated the Boston Massacre event
- Worked in the procedural modelling team, learned to create models in CityEngine and using CGA
- Learned to cooperate efficiently with a big team through technologies such as Slack and Trello

**Web Project: Carl Office Hour (Ongoing)** June. 2017 - Present

- Developing an app that allows students to search for professors' office hours easily with 3 other students
- Learning to develop a web app and deploying it on different platforms through django template
- Learning to access the online database by making queries through html and python

**Independent Project in Mathematical Consulting** Jan. 2017 - April. 2017

- Worked with three peers and the local government in Northfield to estimate future ridership for a railroad which would connect Northfield to the Twin Cities Apply programming skills (R and Python) to work with online dataset and conduct data cleaning
  - Built a mathematical model, utilizing online traffic and demographic datasets and conduct background research into traffic planning and related policies
  - Communicated with local government representatives to explain the technical work we did, and refined our model based on their interests
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### EXPERIENCES

**Teaching Assistant, Girls Who Code Inc. (NGO), New York, New York** June. 2017 - Present

- Teaching 40 high school girls the fundamentals of computer science, covering topics including Scratch, Python, Robotics, Web development, and more.
- Assisting the students with their homework and questions
- Managing the classroom and maintaining an inclusive and respectful classroom environment

**Peer Leader, Office of Intercultural and International Life, Carleton College** Sept. 2016 - Present

- Organized international student orientation and New Student Week Program
- Provide one-on-one mentorship for international and intercultural students to help them transition to college life
- Facilitate discussions on diversity and social justice
- Awarded as one of the Outstanding Peer Leader of the year

**Chinese Club Board Member, Carleton College,** Feb. - June 2016

- Organized activities to help strengthen ties among Chinese students at Carleton
- Collaborated with student-life offices and student organizations to plan cultural events on campus

**Member, Lovelace, Carleton College** April 2016 - Present

- Participate actively in the Carleton organization for women in technology
  - Participate in workshops and tech-related events such as MinneWIC, a local conference for women in tech
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### SKILLS

Computer Skills: Java (Intermediate), Python (Intermediate), CSS and HTML (Elementary); JavaScript (Elementary), R (Elementary)