

Yifan (Eva) Zhong

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<https://github.com/Eva-Zhong>
<https://Eva-Zhong.github.io/my-website>

EDUCATION

Carleton College, Northfield, MN

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

Expected Graduation Date: June, 2020

GPA: 3.77/4

PROJECTS

Personal Website (Ongoing) (<https://Eva-Zhong.github.io/my-website>) July. 2017 - Present

- Design and build personal website in HTML, CSS, JavaScript

Web Project: Carl Office Hour (Ongoing) (carlofficehour.pythonanywhere.com) July. 2017 - Present

- Developing a website that allows students to search for professors' office hours easily with one partner
- Allowing users to search for information by using Django, Python, JavaScript, HTML and CSS; using Node.js packages to display information interactively; applying Bootstrap and CSS for website design

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

- Develop a modified version of 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

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

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

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

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 Python, Robotics, Web development in HTML, CSS, JavaScript, Django, and more.
- Assisting the students with their questions and with their final projects
- Managing the classroom and maintaining an inclusive and respectful classroom environment

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

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

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

SKILLS

Computer Skills: Java, Python, Django; HTML and CSS; Bootstrap; JavaScript; SQL and R;