

## Info



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## Languages

C++



Python



HTML/CSS



JavaScript/  
jQuery



SQL



## Additional

Formerly Ranked #1 globally in How I Met Your Mother Trivia on QuizUp App

Completed 2016 Chicago Marathon in 3:22:09 while fundraising \$1000 for the Chicago Youth Centers

Favorite Book: This Side of Paradise  
- F. Scott Fitzgerald

# ISHAN VASHISHTA

SOFTWARE DEVELOPER | ishanvashishta.me

## Education

### UNIVERSITY OF MICHIGAN

Ann Arbor, MI

- Bachelors in Computer Science, Minor in Philosophy (Mind and Meaning)
- Enrolled: September, 2015 - December, 2018
- Relevant Courses Completed: Elementary Programming (EECS 183), Discrete Mathematics (EECS 203), Data Structures (EECS 280), Algorithms (EECS 281)
- Currently in Computer Security (EECS 388)

## Experience

### ANN ARBOR WEB DESIGN

Ann Arbor, MI

#### Founder | President

February, 2017 - Present

- Founded and led web development organization at the University of Michigan providing free web development/design services to other organizations at the university
- Created and implemented training module for new members to gain practice with HTML, CSS, JavaScript, JQuery, and node.js
- Personally coded first organization website for the College Democrats at the University of Michigan earning great praise from the organization

### MICHIGAN DAILY

Ann Arbor, MI

#### Web Development Team Member

February, 2017 - Present

- Contributed to the programming of the front end of the website for the largest collegiate newspaper in the country
- Devised and implemented plan for updated website layout after Michigan Daily received negative criticism for the old display

### ARBORHACKS

Ann Arbor, MI

#### Technology Team Member

January, 2017 - Present

- Instrumental in planning for Arborhacks 3, a hackathon for high schoolers to show off coding skills while being mentored by college students
- Developed and executed plan for website updates in order to provide more information to viewers and make site navigation more user friendly

### DIRECT BRAIN INTERFACE LABORATORY

Ann Arbor, MI

#### Research Assistant | Programmer

September, 2016 - Present

- Using C++ programming within the BCI2000 application under Dr. Jane Huggins in order to improve a Cognitive Testing Application
- Reconfiguring Cognitive Testing Task to decrease program errors in order to gain more accurate results on patients with disabilities such as cerebral palsy

## Projects

### SPACE INVADERS / HYBRID PONG

- Collaborated with a team of four using C++ to program Space Invaders and a hybrid version of the classic pong game with enemies incorporated
- Gained a strong understanding of Arduino Boards, as this was the medium of game play, and experience working on large projects in teams

### TRAVELING SALESMAN PROBLEM

- Engineered an optimal solution to the traveling salesman problem and a faster non-optimal version using heuristics
- For optimal solution, used faster version as an initial upper bound then began a branch and bound algorithm pruning non-promising results as the program progressing