

# Jeffrey Zhao

Waterloo, Ontario, Canada

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## Skills

<b>Programming</b>	Algorithms and Data Structures, C/C++, Python, Scheme/Racket, Java, Node.js, Bash, 四喜
<b>Web</b>	PHP with Laravel and the Fat Free Framework, Express with Node.js, HTML5, CSS, JavaScript
<b>Databases</b>	MySQL, MongoDB, F3-Jig
<b>Miscellaneous</b>	Competitive Programming (Codeforces Maximum Rating 1870), Linux, Contest Mathematics, Leadership, Teaching

## Experience

### Splice Digital Inc.

Windsor, Ontario

SOFTWARE DEVELOPMENT INTERN

Jun. 2016 - Aug. 2016

- Implemented a Slack helper chatbot using natural language processing libraries, Node.js, and MongoDB.
- Learned web development using PHP, Laravel, and MySQL with help from professionals.

### Vincent Massey Secondary School Computer Science Club

Windsor, Ontario

PRESIDENT

Sept. 2015 - June 2016

- Led a school team to victory in multiple programming contests.
- Taught classes to other high school students in preparation for the CCC.
- Wrote practice competitive programming contests for students across Ontario.

### MasseyHacks

Windsor, Ontario

LEAD WORKSHOPS ORGANISER

Sept. 2015 - June 2016

- Leader in Canada's first high school MLH hackathon.
- Organised and taught classes on HTML and CSS to aspiring hackers.

## Awards

### Bronze Medallist, Canadian Computing Olympiad (CCO)

Waterloo, Ontario

UNIVERSITY OF WATERLOO, CEMC

2015 and 2016

- Invitational competition for only the top twenty computer science students across Canada.
- Second stage of Canadian Computing Competition (CCC).
- Two time winner, competed in both grades 11 and 12.

### Honour Roll, Euclid Mathematics Contest

Waterloo, Ontario

UNIVERSITY OF WATERLOO, CEMC

2016

- High score on national mathematics contest for grade 12 students.
- Received Mathematics Entrance Scholarship to the University of Waterloo.

### Platinum Division Contestant

International

USA COMPUTING OLYMPIAD

2016

- Highest level of competition in American high school computer science contests.

## Projects

### Skirmish Online Judge

On GitHub

FOR FULL STACK EXPERIENCE

Dec. 2016 - Jan. 2017

- Built an online judge for competitive programming with PHP, MySQL, and the Fat Free Framework.
- Designed a denormalised database for fast querying over many users, problems, and submissions.

### Phagocytosis

On GitHub

FOR NODE.JS EXPERIENCE

May 2015

- Agar.io clone for high school final project. Online browser game built with Express and Node.js.

## Education

### University of Waterloo

Waterloo, Ontario

B.S. IN HONOURS COMPUTER SCIENCE

Sept. 2016 - Apr. 2021

- Received President's Scholarship and Mathematics Entrance Scholarship due to high achievement.
- Term Dean's Honours List, 95% average in 1A term. Took all advanced classes.