

Jeffrey Zhao

PROGRAMMER-IN-TRAINING

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Skills

Programming	Algorithms and Data Structures, C/C++, Python, Racket, Java, Node.js, TeX
Web	PHP with Laravel and Fat Free Framework, Express with Node.JS, HTML5+CSS, JavaScript
Databases	MySQL, MongoDB, F3-Jig
Miscellaneous	Competitive Programming, Linux, Contest Mathematics, Leadership, Teaching

Experience

Splice Digital Inc.

SOFTWARE DEVELOPMENT INTERN

Windsor, Ontario

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 in free time.

Vincent Massey Secondary School Computer Science Club

PRESIDENT

Windsor, Ontario

Sept. 2015 - June 2016

- Gained leadership experience by leading school teams in programming contests.
- Taught classes to other high school students in preparation for the CCC.
- Wrote practice competitive programming contests written by students across Ontario.

MasseyHacks

LEAD WORKSHOPS ORGANISER

Windsor, Ontario

Sept. 2016 - 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)

UNIVERSITY OF WATERLOO, CEMC

Waterloo, Ontario

2015 and 2016

- Invitational competition for only the top twenty computer science students across Canada, determined by the CCC.
- Two time winner, competed in both grades 11 and 12.

Honour Roll, Euclid Mathematics Contest

UNIVERSITY OF WATERLOO, CEMC

Waterloo, Ontario

2016

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

Platinum Division Contestant

USA COMPUTING OLYMPIAD

International

2016

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

Projects

Skirmish Online Judge

FOR FULL STACK EXPERIENCE

On GitHub

Dec. 2016 - Jan. 2017

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

Phagocytosis

FOR NODE.JS EXPERIENCE

On GitHub

May 2015

- Agar.io clone for ICS4U final project. Full online browser game built with Express and Node.js.

Education

University of Waterloo

B.S. IN HONOURS COMPUTER SCIENCE

Waterloo, Ontario, Canada

Sept. 2016 - Apr. 2021

- Received President's Scholarship and Mathematics Entrance Scholarship due to high achievement
- Term Dean's Honour's List, 95% average in 1A term