Jeffrey Zhao

Waterloo, Ontario, Canada

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Skills

Programming	Algorithms and Data Structures, C/C++, Python, Bash, Scheme/Racket, Java, LaTeX
Web	PHP (Laravel, Fat Free Framework), JavaScript (Node.js, jQuery), HTML5, CSS
Databases	MySQL, MongoDB, F3-Jig
Miscellaneous	Leader, Competitive Programmer (Codeforces Maximum Rating 1870), Extreme Linux Nerd

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 school teams in programming contests.
- Taught classes to other high school students in preparation for the CCC.
- Designed practice programming contests written by 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.

Third Place Winner, Code/Design-to-Win — *Waterloo, Ontario*
COMMUNITECH — *2017*
- Atomic, Communitech, and TD sponsored programming contest and talent search.

Platinum Division Contestant, USACO — *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 (140-level courses).