

## John Fish

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### Education

#### HARVARD UNIVERSITY

AB in Computer Science. **GPA 4.0/4.0**

Relevant Coursework: Computational Theory. Functional Programming.

Commit 30 hours per week to the Harvard Varsity Track and Field program.

Cambridge, MA

Class of 2021

#### SIR JOHN A MACDONALD S.S.

SAT: 1540 (780M, 760V). SAT Subject Tests: 800 (Math II), 800 (Physics).

Multiple time provincial champion and national medalist for track and field.

National science fair silver medalist, 2016.

Waterloo, Ontario

### Work Experience

#### SHOPIFY PLUS

##### Software Developer Intern

- Developed a Shopify app for enterprise customers that automated over 1MM business processes
- Designed a wholesale app that transacted over \$2MM USD in GMV after one calendar year
- Measured KPI and optimized backlog based on quantitative user data
- Demoed apps to company over monthly standup
- Wrote full stack web applications in Ruby on Rails, JavaScript (React), MySQL

Waterloo, Ontario

June – August 2016, June – August 2017

#### UNIVERSITY OF WATERLOO

##### Robotics Program Coordinator

- Developed a robotics and computer science curriculum to be taught as enrichment for middle and high school age students
- Created a Web IDE in JavaScript to help students program in Python on Chromebooks
- Designed blueprints for Arduino driven self-driving toy cars to be built by students

Waterloo, Ontario

Winter 2016

### Projects

#### HAVEN

##### Harvard University

- Connected users with a worldwide database of safe havens (places to go when feeling unsafe) near them
- Developed cross-platform mobile and web apps using Apache Cordova and Ionic
- Populated a real-time NoSQL database with over 20 000 geo-hashed latitude and longitude coordinates
- Integrated Twilio's API to send text messages to businesses, Google Places API to show open havens

Cambridge, MA

November 2017

#### TREE BIOMASS CALCULATION

##### Canada Wide Science Fair - Silver Medal 2016

- Measured growth rate of trees using a novel computer vision algorithm
- Gathered and presented a cross-sectional survey of algorithmic efficiency

Waterloo, Ontario

May 2016

### Programming Languages

Python, Ruby, Rails, Java, JavaScript (Node, jQuery, Angular, React), C, C++, OCaml, SQL

### Notable Awards

- Breakthrough Junior Prize National Champion/International Finalist
- National Science Fair Silver Medalist
- National Track and Field Silver Medalist
- Provincial Track and Field Champion