John Fish

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Education

HARVARD UNIVERSITY   Cambridge, MA
AB in Computer Science. **GPA 4.0/4.0**   Class of 2021
Relevant Coursework: Computational Theory. Functional Programming.
Commit 30 hours per week to the Harvard Varsity Track and Field program.

SIR JOHN A MACDONALD S.S.   Waterloo, Ontario
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.

Work Experience

SHOPIFY PLUS   Waterloo, Ontario
Software Developer Intern   June – August 2016, June – August 2017
- 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

UNIVERSITY OF WATERLOO   Waterloo, Ontario
Robotics Program Coordinator   Winter 2016
- 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

Projects

HAVEN   Cambridge, MA
Harvard University   November 2017
- 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

TREE BIOMASS CALCULATION   Waterloo, Ontario
Canada Wide Science Fair - Silver Medal 2016   May 2016
- Measured growth rate of trees using a novel computer vision algorithm
- Gathered and presented a cross-sectional survey of algorithmic efficiency

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