

Richard Du

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Student interested in machine learning, entrepreneurship, and web development.

Princeton University • 2015 – 2019

GPA: 3.68

B.A. Computer Science

Education	Coursework	Programming Languages
	Machine Learning and AI (IP), Computer Vision (IP), Intro to Programming Systems (IP), Data Structures and Algorithms (A), Accelerated Honors Analysis I (A) and II (A)	Languages <u>Java</u> , <u>Ruby</u> , <u>JavaScript</u> , <u>C#</u> , HTML/CSS, MATLAB, R, SQL, Python, C
		Frameworks <u>Rails</u> , <u>Android Studio</u> , <u>ASP.NET</u> , AngularJS

International Mathematical Olympiad (IMO) Team Canada

Jun. 2014

- IMO is the premier mathematics competition for high school students
- **Top 8 math students** in Canada are selected for the IMO Team
- Official team member (alternate)

Canadian Mathematical Olympiad Winner

Apr. 2013

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| Awards | <ul style="list-style-type: none">• CMO is the premier mathematics competition in Canada• 1st place among students living in Canada, 5th overall |
| | United States of America Mathematical Olympiad |
| | <ul style="list-style-type: none">• 2-time qualifier• 33rd and 54th place• ~250 out of over 350,000 participating students qualify |

United States of America Mathematical Olympiad

Apr. 2014, 2015

Classroom Salon • Princeton, NJ

Jun. 2016 – Present

Full Stack Web Developer Intern

Classroom Salon is an online education platform built by Princeton and CMU. I am working on a website overhaul.

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| Experience | <ul style="list-style-type: none">• Implemented video annotations, transcript navigation and highlighting, etc.• Currently working on automated transcript and video clip generation• Writing Rails layer to provide abstraction from current website backend• Implementing Central Authentication Service (CAS)• Written in ASP.NET, JSRender for front end (currently rewriting in AngularJS)• My work is now being adopted in several schools in the US, and will be used in Princeton CS Courses (Spring 2017) |
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StudBuds • Co-founder • Jun. 2015 – Sep. 2015

Rails

StudBuds is a web application that connects students with tutors. It provides a platform for tutors to market themselves and manage their students.

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| Projects | <ul style="list-style-type: none">• Designed highly-scalable tutor and student database using Rails• Implemented initial messaging system using AJAX polling• Created notification system by integrating Mailboxer, a Rails gem |
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ChatStats • Sep. 2015 – Feb. 2015

Java (Android Studio)

ChatStats is an Android application giving users statistics about their text message conversations, such as average response time, average message length, etc.

- Integrated chart library
- Used Android content providers to retrieve and analyze SMS data

Interests

A bit about me

Squash, Basketball, Poker, B-Boying, Endurance Running
