

Nick Speal

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I'm a software engineer with a specialization in web development and a track record of success in robotics and team leadership. I'm committed to improving the access and quality of education for all children and excited to build tools that help teachers help students learn more effectively. I'm also a US Citizen.



McGill University
Bachelor of Mechanical Engineering
Dean's Honour List
GPA: 3.9/4.0



Javascript, React, Redux, Sass,
CSS Modules
Python, Django, AWS, Linux

Self-directed Post-Graduate Education

2018

- I've assembled my own curriculum of online courses, books, projects, and travel related to computer science and social justice

Software Engineer, 3D Robotics

2017

- Built a complex and evolving web application in React, enabling visualization & interaction with construction site topography collected by drone

Engineering Project Manager, 3D Robotics

2015-2016

- Responsible for systems integration and team coordination for Solo: the first mass-produced camera drone to be sold in major retail stores around the world

Team Lead and Controls Engineer, McGill Robotics

2011-2014

- Led a team of 98 students to build robots for two international competitions
- Built the control system for an autonomous underwater vehicle in c++

3 Summer Internships, McGill University

2011-2013

- Full-time MATLAB and Python development to support graduate research

Notable Side Projects

- A carbon footprint tracking tool (ReactJS)
- A satirical critique of educational software trends (ReactJS)
- A concert discovery service (Python/Django/ReactJS/Websockets/Redis/AWS)
- An app to teach braille (ObjectiveC)
- More detail at speal.ca/projects

This is the 30 second version. For more detail, please visit speal.ca/cv