

Siddharth Mahendraker

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Objective

I'm a young, focused and talented student looking for a challenging job opportunity where I can apply my knowledge of mathematics and computer science.

Education

- 2010 – now** **International School of Helsinki, Helsinki, Finland, Grades 9 - 11**
Currently in the 11th grade. Graduated each previous year with honours.
- 2006 – 2010** **West Oak Public School, Oakville, Ontario, Canada, Grades 5 - 8**
Graduated each year with honours. Valedictorian of the graduating class. Received the French award for excellence in the French language.

Work Experience

- 2010 – 2011** **Engineered an iPhone application used in production at iMenu360 Inc.**
Was responsible for planning, designing, engineering and coding the application on behalf of iMenu360. The application displayed incoming orders for restaurant managers, allowing them to quickly understand an order issue and take corrective action. The application incorporated push notifications, XML parsing and custom gestures.

Interests

- Mathematics** Particularly number theory, abstract algebra and cryptography. In the 10th grade, wrote a thorough report on modern cryptography, with an emphasis on the mathematical cryptanalysis of these techniques (available at <http://git.io/iAFH6A>).
- Theoretical and Applied Computer Science** Particularly the design and analysis of algorithms and data structures, and the theory of computation. Pioneered the computer science course at the International School of Helsinki.
- Open Source Software** Regularly work on small open source projects in leisure time. Maintainer of two non-trivial open source projects. Has contributed minor patches to larger projects such as the node.js project. All code freely available under the MIT licence at <https://github.com/siddmahen>.
- Music** Played 1st flute in the West Oak School Band for 3 years. Invited to play in the Halton Intermediate Woodwinds Band by recommendation from the band conductor. Continued to play flute in Helsinki, playing the solo flute score for the school production of *The Wizard of Oz* in 2011.

Achievements

Student Government	Elected vice-president of the High School Student Council. Have served on the Council in various capacities for the past 3 years. In charge of planning, organizing and running large school events such as school dances, cultural and seasonal events and fund raisers.
Volleyball	Won Bronze at the CEESA High School Boys Volleyball Tournament, 2012, Helsinki, Finland. Played as the team setter. Have been playing volleyball for over 4 years, competitively for the past 2 years.
Model United Nations	Participated in 5 MUN conferences, including conferences in the Hague, Paris and Milan. Held various high profile positions; head ambassador of high profile countries such as Turkey and Japan, member of the Security Council, the Disarmament Committee and the International Court of Justice. Recognized at the Milan MUN for outstanding work in the Security Council. Spoke in front of the General Assembly at every conference.

Skills

Languages	Mother tongue English. Nearly native French.
Programming Languages	Fluent in Javascript and Objective-C. Can also write in C, Python, PHP and C++ . Mild exposure to Haskell.
Computer Skills	Highly proficient in a wide variety of tools, including the shell, git, vim and Xcode. This document was written in vim using \LaTeX .