

SIDDHARTH MAHENDRAKER

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EDUCATION

International School of Helsinki, Finland 2010 – now

- Currently in the 12th grade; the second year of the International Baccalaureate program (IB).
- Enrolled in Mathematics Higher Level (HL), Physics HL, Psychology HL, Computer Science Standard Level (SL), English (Native) SL and French (Native) SL.
- Graduated each previous year with honours. Current GPA: 6.2 out of 7.

West Oak Public School, Canada 2006 – 2010

- Graduated each year with honours.
- Valedictorian of the graduating class.
- Received award of excellence in the French language.
- GPA of A on a scale of A to D.

WORK EXPERIENCE

iMenu360 Inc. 2010 – 2011

iOS Software Engineer

- Planned, designed and wrote a real-time issue tracker for iMenu360.
- Focused on robustness and performance.
- Application is still used in production today.

ACHIEVEMENTS

Student Government

- Elected vice-president of the High School Student Council.
- Served the Council in various capacities for over 3 years.
- Responsible for organizing and running large school events, such as dances, cultural events and assemblies.

Volleyball

- Won Bronze at the CEESA High School Boys Volleyball Tournament 2011, in Helsinki.
- Played on the first line, as the team setter.

Model United Nations

- Participated in 5 MUN conferences.
- Held various high profile positions; was head ambassador of Turkey and Japan, a member of the Security Council and the International Court of Justice.
- Recognized at Milan MUN for outstanding work in the Security Council.
- Spoke in front of the General Assembly at every conference.

INTERESTS

Mathematics and Theoretical Computer Science

- Particularly interested in cryptography, number theory, abstract algebra and algorithms.
- Completed the Cryptography I course on Coursera, taught by Dan Boneh of Stanford University.
- Pioneered the computer science course at the International School of Helsinki. As part of the course, wrote and taught several lessons on programming in Javascript (available at <http://git.io/nk1UMw>).
- In 10th grade, wrote a short dissertation on modern cryptographic techniques from a mathematical perspective (available at <http://git.io/iAFH6A>).
- Currently writing an extended essay on the relationship between matroids and algorithmic solutions to combinatorial optimization problems.

Open Source Software

- Regularly work on open source software projects in leisure time.
- Maintainer of two non-trivial open source projects.
- 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 on recommendation of band conductor.
- Continued to play the flute in Helsinki, most recently playing the solo flute score for a school production of *The Wizard of Oz* in 2011.