

# Zihan Hans Liu

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## Education

- 2007–Present     **Bachelor of Arts and Master of Mathematics, University of Cambridge**
- Grades to date: 1st class in all three completed years.
  - Class rank: 1 out of 207 students in third year, 1 out of 204 students in second year, 2 out of 234 students in first year
  - Intended graduation date: June 2011
- 2004–2007     **Swedish *Fullständigt slutbetyg för gymnasieskolan***
- Natural Science programme, Viktor Rydberg Gymnasium, Stockholm, Sweden. GPA: 20.0/20.0.

## Work experience

- 2010     **Visiting Student Researcher, Broad Institute of MIT and Harvard, Cambridge, Massachusetts**
- Developed algorithms for automated image analysis algorithms for biomedical research purposes
- 2009–2010     **Research Assistant, Department of Human Geography, Stockholm University**
- Developed tools for satellite image analysis and segmentation.
  - Automated existing processes and developed new algorithms, improving both accuracy and performance.
- 2008     **Systems Developer, Revision Courses Europe AB, Stockholm, Sweden**
- Worked independently from specifications, built a course booking system using PHP, MySQL and JavaScript.

## Selected Awards and Prizes

- 2009     ▸ **G.F.A. Osborn Prize**—Awarded for exam performance.
- 2008     ▸ **Senior Scholarship, Trinity College, Cambridge**—Awarded for exam performance.
- 2007     ▸ **International Mathematical Olympiad, Hanoi, Vietnam**—Bronze Medal.
- 2007     ▸ **Swedish Physics Olympiad**—2nd place in final round.
- 2007     ▸ **Swedish Programming Olympiad**—7th place in final round.
- 2006     ▸ **Swedish Mathematical Olympiad**—joint 1st place in final round.
- 2006     ▸ **International Mathematical Olympiad, Ljubljana, Slovenia**—Bronze Medal.

## Other skills and activities

- 2007–2009     **Coxswain, First and Third Trinity Boat Club**
- Led and directed regular training and competition, highest level men's second eight, 16 hours a week.
  - Developed leadership skills and ability to handle high-pressure situations.
- 2009–Present     **Badminton, Trinity College Badminton Club**
- Training and competition in team.
- 2009     **Volunteer teacher, STIMULUS program**
- Helping students at a local school learn Mathematics.
- Languages     ▸ Fluent in **Swedish, Mandarin and English.**
- Intermediate level in **Spanish**—Certified at level 3 in the ALTE framework.