# JESIKA H HARIA

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## EDUCATION

**Massachusetts Institute of Technology Class of 2014**                                           *Cambridge, MA*
Candidate for SB in Electrical Engineering and Computer Science (Course 6-2)                      **GPA: 4.8**

**Dhirubhai Ambani International School**                                                         *Mumbai, India*
Achieved 45/45 points in the International Baccalaureate Final Examination; 36/36 in the Extended Essay in Chemistry (June 2010)
Secured 10 A*s (Average: 96.1%) in the Final IGCSE Examinations (June 2008). Presented with **Best Student in India Award**.

## WORK EXPERIENCE

**Securigin Inc.**                                                                                *Cambridge, MA*
*Software Engineer, Researcher and Business Development*                                          *Dec 2011 – Current*
- Analyzing **iOS** interfaces to create **security models**, data extraction methods and analysis algorithms for **app runtime behavior**
- Liaising with **CIOs and CSOs of Fortune 100** financial, pharmaceutical and law firms to understand corporate security needs
- Two-time **MassChallenge finalist**; MIT $100K **Accelerate finalist**; $100K **Semi-finalist**

**Thunderwake Inc.**                                                                              *Cambridge, MA*
*Product and Business Development Intern*                                                         *Jun 2012 – Sept 2012*
- Developing better iPhone app discovery algorithms using **big data analysis** and **data visualization**
- Formulating **marketing strategy** for AppSnatcher's product launch, already in private beta

**C For College: cforcollege.com**                                                               *Mumbai, India*
*Founder*                                                                                         *Dec 2011 – March 2012*
- Developed a **web-based platform for high-school seniors** from Mumbai applying to universities in US, UK, Canada, Singapore
- Provided **personalized one-to-one guidance** to more than 150 high school students applying for college
- Selected to semi-final round of **i/o Ventures** and **PennVention Business Plan** competitions

**Wayra@MIT: Knocknockr**                                                                         *Mexico City, Mexico*
*Technical and Entrepreneurial Strategies Consultant*                                             *Oct 2011 – Dec 2011*
- Consulting on **strategic moves** that included gamification, customer dynamics identification and pricing strategy formation
- Liaised **important connections** with **MIT professors** and **leading gamification industry experts** like Hugo Liu of Hunch

## RESEARCH

**MIT CSAIL: Laboratory for Information Decision Systems**                                        *Cambridge, MA*
*MIT EECS Undergraduate Research Scholar*                                                         *Sep 2011 – June 2012*
- Developing an novel **iterative aggregate ranking system** for academic papers using partially-ordered comparison-based inputs
- **Implementing and integrating** the ranking and matching algorithm into **HotCRP open-source** conference management system

**MIT Media Lab: Human Dynamics**                                                                 *Cambridge, MA*
*Undergraduate Researcher*                                                                        *Oct 2010 – Nov 2011*
- Investigated information propagation in low-tech social networks by collating, visualizing, arranging and presenting complex data
- Formulated **proprietary data analysis design** to generate an applicable model of data dissemination in social search
- **Second-authored paper in IEEE SocialCom11** (9.8% acceptance), findings used in book chapter on networks research methods

## LEADERSHIP AND ACTIVITIES

*Winner*, **MIT t=0 Hackathon 2012, Truonex 2012, Vertica-Snapshot Hackathon 2012**
*Showergy Travel Team and Lead*, awarded **$2500 Legatum Seed Grant** and **Best Team Award** at IDEAS/ Global Challenge 2012
*Mentorship and Corporate Relations Chair*, Undergraduate **MIT Energy Club** 2011-12
*Marketing Committee Member*, **MIT Clean Energy Prize 2012**
*Member*, MIT Undergraduate Association Committee on **Sustainability** 2011-12
*Organizing Committee Member*, **MIT Energy Conference 2011**, Renewable Fuels single-track panel
*Indian Delegate*, **International Linguistics Olympiad 2010**
*Recipient*, **University of Cambridge Manmohan Singh Merit Scholarship 2010,** awarded to only 3 students in India

## SKILLS

- Python (proficient), Java, Objective-C, binary and assembly analysis; Django (basic); C++ and C (understanding)
- Experience in network visualization GUIs (NetworkX plug-in for Python, Gefi, Inkscape, yEd, Dia)
- Fluent in English, French, Hindi; 1+ year experience Chinese (Mandarin), Spanish (elementary)