

# NAHATHAI SRIVALI

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## EDUCATION

### Massachusetts Institute of Technology (MIT)

Cambridge, MA

#### *Candidate for B.S. in Chemical/Biological Engineering*

June 2010

- Minors in Management at Sloan Business School and in International Studies; Concentration in German
- Relevant Coursework: Integrated Chemical Engineering, Reaction Engineering, Transport Processes, Finance, Microeconomics, Marketing, Accounting, Innovations & Entrepreneurship, Management in Engineering, People & Organizations

### Baltimore Polytechnic Institute (high school)

Baltimore, MD

- 3<sup>rd</sup> in class of 250, 97.9% GPA, National Honor Society, Northrop Grumman Scholar, SAT M800 R600

June 2006

## INDUSTRIAL EXPERIENCE

### RWE Power AG, New Technologies, *Intern* (June – Aug 2009)

Essen, Germany

- Lowered cost of biomass harvesting, process accounting for 20%+ of total cost of production, by identifying alternative separation techniques and experimentally determining the compatibility of the existing system to a technique.
- Analyzed operation of a new microalgae pilot plant for capturing carbon dioxide waste from a coal power plant.
- Presented findings to internal colleagues. Handled logistics of being the 1<sup>st</sup> student intern in MIT/RWE collaboration.

### Bayer AG, Technology Services, *Intern* (June – Aug 2008)

Leverkusen, Germany

- Provided data on system analysis, allowing potential clients to better estimate the compatibility of their products with the Uvivatec, the company's new technology for improving viral safety in pharmaceutical downstream processing.
- Delivered a presentation on benefits of the MIT/Bayer collaboration to the program's 15 managers and benefactors.

### CombinatoRx Inc., Research and Development, *Intern* (June – Aug 2007)

Cambridge, MA

- Collaborated with managers and 5 team members on implementing drug screens for the company's collaborative project.
- Independently utilized a high-throughput technology to screen drugs and find combinations with high synergies for cancer treatments, making a significant progress to the company's internal project.

## ACADEMIC EXPERIENCE

### University of Duisburg – Essen, UNIAKTIV, *Intern* (Jan 2009)

Essen, Germany

- Interviewed 30 students to obtain primary data on interest in international development work opportunities. Researched potential collaborative international development projects. Developed a 25-page guide to studying abroad.
- Explored fundraising & advertising campaigns for UNIAKTIV. Investigated possible expansion of service learning classes.

### MIT, Department of Chemical Engineering, Teaching Lab, *Student* (Oct – Dec 2008)

Cambridge, MA

- Collaborated with 2 other students in research on maximizing ethanol production in yeast's bio-ethanol fermentation.
- Continued project despite facility shutdown. Alternated plan allowing project to be completed within a 6-week period.

### Carnegie Institute of Washington, Embryology, *Independent Student Researcher* (Feb 2004 – May 2006)

Baltimore, MD

- Co-authored an article in *Genetics* March 2007 and presented a poster at the 2006 International Science & Engineering Fair with research on gene expression patterns using the novel protein trap strategy.

## LEADERSHIP/MENTORING/SERVICE EXPERIENCE

### MIT, Women's Initiative, *Fundraising Director* (May 08-Jun 09)

- Corresponded with managers of 9 companies and raised over \$30,000 towards sending 14 female undergraduate and graduate students throughout the country to speak to middle and high school girls about engineering in Jan 2009.

### MIT, Freshmen/Alumni Summer Internship Program's *Student Mentor* (Aug 07–Jun 09); **Residential-Based Advising's**

#### *Associate Advisor* (Aug 07–Dec 08)

- Mentored 2 groups of 10 first-year students in leadership, academic, career, and social aspects of the university.

### MIT, Undergraduate Practice Opportunities Program's *Participant* (07-08); **MIT LeaderShape's *Participant*** (Jan 07)

- Participated in 2 professional development courses that emphasized teamwork, leadership, data analysis, process design, decision-making, interpersonal communication, and presentation skills

### MIT, Public Service Center's *Member of Service Learning Corps* (Feb 07– Jan 08)

- Collaborated with faculty, students and community partners for new volunteering ideas and service learning projects.

### MIT, Technology and Entrepreneurship Forum's *Co-director of the Publicity Committee* (Oct 06-May 07)

- Publicized to campus and handled logistics of the Forum, which had the attendance of over 100 students

## SKILLS

<b>Software</b>	Proficient in Microsoft Office, Familiar with MatLab and Adobe Photoshop, Beginner AspenPlus
<b>Language</b>	Fluent English, Intermediate German, Native Thai
<b>Laboratory</b>	Reactor operations, drug screening, cell-culturing, biology and chemistry laboratory techniques