

P R A T E E K S A H A Y

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P R A T E E K S A H A Y . C O M

EDUCATION

Worcester Polytechnic Institute (WPI)

Worcester, MA

Bachelor of Science in Mechanical Engineering, Robotics Engineering

May 2015

Relevant coursework: Robotics: Sensing, Thermodynamics, Heat Transfer, Controls Engineering, Java, Embedded Systems

INTERNSHIP EXPERIENCE

MIT Media Lab

May – Aug 2014

Cambridge, MA, Robotics Intern

- Designed proof-of-concept intersection system for ceiling robot
- Devised a mechanically innovative robot for use in social robotics experiments
- Conducted Q&A analyses, constructed multiple prototypes

ABB Ltd.

Jun – Jul 2013

Bangalore, India, Engineering Intern

- Worked in teams to program robots to fit specific customer needs
- Took initiative in face-to-face meetings with customers
- Designed robot grippers in CAD and troubleshoot and repaired defective robots on-site

ITN Energy Systems

Jun – Aug 2012

Denver, CO, Engineering Intern

- Worked with nanomaterial science, sputtering technique, vacuum chambers
- Designed parts for R&D in CAD then machined them in CNC mills and lathes
- Built multi-stage machines to reduce manufacturing cost of thin-film deposition batteries

SolidWorks Corporation

Jun – Aug 2011

Concord, MA, Engineering Intern

- Designed several modules for Ultimate CAD Chair, launched “Let’s Go Design”
- Manufactured working prototype
- Collaborated with third-party contractors

PROJECT EXPERIENCE

Enhancing Sixth Grade Science Education (IQP)

Aug 2011

- Designed interactive activities targeted at specific weak-points in the students’ education
- Significantly increased student scores in each of those subjects

SKILLS

Applications SolidWorks ProE LaTeX MATLAB MS Office Online tools Multimedia editing
Programming C/C++ Java Arduino Python HTML/CSS Embedded
Languages Hindi Spanish
Manufacturing End mill Lathe CNC Spray-painting Soldering

HONORS

Rho Beta Epsilon, Honors Society

2014

Official Certified SolidWorks Associate (CSWA)

August 2010