

Samir M. Mehta

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ABOUT ME

I am an engineer with a passion for the web. Even-keeled and pragmatic, I adapt quickly to new situations and embrace change. I enjoy learning new technologies and skills in order to provide creative solutions to complex problems.

TECHNICAL SKILLS

Languages & Frameworks:	Javascript, Node.js, Express, AJAX, jQuery, Knockout, D3, Angular, HTML5, CSS3, SASS, Bootstrap, Materialize, PostgreSQL, MongoDB, Ruby, Rails, Sinatra, Rspec/Jasmine, Arduino
Deployment & Version Control:	Git, Github, Heroku, Grunt
Methodologies:	Object Oriented Programming, MVC, Test Driven Development, Responsive Design, Agile
Software:	SolidWorks (Certified SolidWorks Professional)
Spoken Languages:	Conversational Mandarin Chinese

EDUCATION

Dartmouth College, Hanover, NH

Bachelor of Engineering, Mechanical Engineering, June 2012

Bachelor of Arts, Engineering Sciences modified with Economics, Minor in Chinese, June 2010

Shanghai Jiao Tong University, Shanghai, China

Chinese Language Program, September 2010 – June 2011

WEB DEVELOPMENT EXPERIENCE

General Assembly, Web Development Immersive, Washington, DC, October 2015 - January 2016

Full-stack web development program focused on best practices in OOP, MVC frameworks, data modeling, and test-driven development. Developed portfolio of both individually focused and collaboratively focused projects. Projects include:

- **VetPetMeds:** Technologies used - Ruby on Rails, Postgres, jQuery, Coffeescript, SASS
- **Flash Cards:** Technologies used - D3.js, HTML, CSS, jQuery, Javascript

Udacity, Front-End Nanodegree, San Francisco, CA (Online), July 2015 - September 2015

Front-end web development program, with lessons on Responsive Web Design, Website Optimization (Critical Rendering Path), and Object Oriented Programming. Projects included:

- **Awesome Concerts Map:** Technologies used - Eventful API, Google Maps API, Knockout.js, jQuery, AJAX

WORK EXPERIENCE

General Mills, Manufacturing and Engineering Associate, Reed City, MI, January 2013 – June 2015

Rotational Program: Team Leader, Project Engineer, Systems Engineer

- Lead a team of off-shift production employees and acted as sole decision maker and manager during weekend production.
- Executed plant-lead capital projects to ensure budget and schedule were met, while keeping stakeholders updated with effective communication.
- Supported daily direction setting meetings to review previous day's performance and set a 24-hr action plan.
- Improved mechanical centerlines and operator cleaning procedures for a resulting 6% increase in performance.
- Worked with a team to identify overuse reduction opportunities, resulting in a savings of \$700M in the first 6 months.

Magna Electronics, Intern, Zhangjiagang, China, June 2010 – August 2010

Zytech Solar, Intern, Qingdao, China, May 2009 – August 2009

ACADEMIC GROUP PROJECT EXPERIENCE

Senior Design Project, *Engineering Design Methodology*

Programmed an Arduino Mega to interface with shaft encoders and stepper motors to create a prototype of a novel maritime propulsion system.

Twist Car, *Computer Aided Design*

Awarded most innovative design for the arm powered linkage propulsion system used while placing second in the competition.

LEADERSHIP

Yoplait Reed City Plant, Emergency Response Team Member, Reed City, MI, June 2014 – June 2015

Certified Hazardous Materials Technician

Dartmouth Varsity Squash Team, Hanover, NH, September 2006 – September 2009