# Education

**Dmitri Rabinowitz**

1512 Spruce Street Philadelphia, PA 19103

(917) 753-6725, dmitrirabinowitz+career@gmail.com

**Thinkful**, Online Training June 2014-Present

***Certificate of Completion in Front End Web Development (FEWD) course, enrolled in AngularJS course***

Mentor *Morgan Polotan*; 3 month courses completed FEWD in 1 month, on pace to complete Angular in 1 month

* Completed FEWD course focusing on building dynamic web applications leveraging HTML5, CSS3, Javascript, jQuery, Bootstrap, AJAX, and heatmap.js ***capstone project***: Crime Heat Map of Philadelphia
* Currently enrolled in AngularJS course leveraging NodeJS and Bower to develop complex Single Page Applications utilizing AJAX requests, rerouting connections with UI-Router, templates, directives, controllers, and the full suite of Angular tools

**Rice University**, Houston, TX August 2008-May 2012

***Bachelor of Science in Mechanical Engineering****, GPA: 3.82*

***Awards:*** 2011 Texas Regional Engineering Competition; NI Senior Design Prize

***Relevant Courses and Labs****: Computational and applied Mathematics, Robotics Programming, Capstone Design: Created Robotic Pipeline Exploration Robot, Haptic Medical Robotics Lab,* *Multi Robot Systems Lab*

***Senior Design Project****: Mechanical Engineering Design Student under Professor Fathi Ghorbel*

## Led a senior design project to CAD model and construct a robot able to navigate pipelines

* + - Project lead for engineer team responsible for appropriating duties, setting deadlines, and documenting
  + Designed robotic device focusing on a simple and flexible model able to drive through a 90˚ pipe turn
  + Developed sonar sensors for determining pipe geometry and translating this to intelligent turning
  + Presented results to investors through elevator pitches, booth discussions, and PowerPoint talks
  + Awarded $500 National Instruments design prize for success of design

# Work Experience

**OSIsoft, LLC**, Philadelphia, PA August 2012-Present

*Senior Technical Support Engineer under Team Lead Craig Torpey*

## Develops as a technical support engineer troubleshooting issues with the PI Data Historian Server

* + Troubleshoots data historian server and client tools for viewing and analyzing historical data
  + Works on web client tools such as PI Coresight, PI WebParts, and the PI Web API for visualizing data
  + Programs custom applications on top of PI offerings leveraging PI APIs and SDKs
  + Traveled to Singapore for an office exchange program to train employees and share support best practices

**Hansen Medical**, Mountain View, CA Summer 2011

*Mechanical Engineering Intern under Sr. Mechanical Engineer Alan Yu*

## Thrived as an engineering intern focusing on designing and modeling robotic components in CAD

* + Redesigned mounted robotic interface to simplify and expedite installation of disposable components
  + Managed several cross-departmental teams in designing a client facing training apparatus
  + Optimized production methods for disposable robotic components in order to reduce manufacture costs
  + Documented and organized work for a knowledge transfer at the conclusion of the internship

**India Institute of Technology**, Hauz Khas, New Delhi Summer 2010

*Mechatronics Lab Researcher under Professor S.K. Saha*

## Pioneered international research program in traveling to New Delhi to work in a mechatronics lab

* + Designed and optimized planar parallel arm robot for use in haptic tasks in Autodesk Inventor
  + Presented a research paper to the IFToMM 2011 World Conference in Mexico based on robot design

# Skills/Interests

***Coding Languages/Frameworks*:** Javascript, jQuery, AngularJS, Single Page Apps, AJAX, Angular Animate, Angular Router, UI-Router, HTML5, CSS3, Bootstrap CSS, No Prefix CSS3, NodeJS, Bower, etc

***Programs*:** Github, Ubuntu, Sublime Text, PI System, Windows, Microsoft Office

***Interests*:** Baseball (Mets), Tennis, Video Games, Magic: The Gathering