# Hope Atina

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Github
LinkedIn

**Education:**

Rice University '17
Bioengineering

Udacity Machine Learning Nanodegree

**Courses:**

Computational and Applied Mathematics, Numerical Methods, Bioinstrumentation, Statistics for Bioengineers, Bioreactions Engineering, Tissue Culture Lab, Embedded Programming, Mechanical Testing, Bioprocessing Lab, Differential Equations

**Skills:**

Software:

- CSS/JavaScript/HTML5, C#, SQL, IronCAD, Adobe Premiere Pro, Matlab, LabView, MongoDB, Angular, Node, Python

Other:

- Selenium WebDriver, Kendo, D3, Arduino, Soldering, Agile Certification, Tissue Culturing and Sterile Techniques, .NET MVC Training, Presenting, Project Research, Audacity, Blender,

Side projects:

- purrchr.com (MEAN) – Your twitter feed compressed
- breadth.me (MEAN) – The best books suggested by successful experts in tech
- Oysmi.com (WordPress) – Supporting youths and parents to become disciples

**Experience:**

MD Anderson, Applications Support/Development Extern, July 2014-Present

- Worked in the Digital Experience Department, CIO Office, and Innovation Center
- Developed, Tested web based applications using Selenium, Protractor
- Eliminated +500 duplicates from Precare system
- Contributed to Agile scrum development, using .NET, Coldfusion, Angular, and JavaScript

Engineering Design Project September, 2014 – May 2015

- Developed a prototype device to detect the formation of pressure ulcers
- Utilized LabView, Arduino, and Processing
- Worked with 5 Bioengineers
- Won 1st place SB3C Conference and the Rice Willy Revolutionary Reward

Research Volunteer McDevitt Lab, June 2013 – August 2013

- Fabricated lab-on a chip microdevices
- Worked under the instruction of Glennon Simmons

Reflex Time Measurement Device, September 2013 – January 2014

- Built Myoflex, a device that measures the response time for an elicited reflex reaction (knee/ankle-jerk)

- Developed and Tested Myoflex using NI LabView
- Created a User Manual and Technical Manual for potential users

Systems Physiology Project, September 2012 – December 2012
- Recommended a chip based malaria diagnostic device as a feasible venture for biotech start-up
- Collaborated with 5 students

Problem Based Learning Module, September 2012 – January 2013
- Recommended the best screening method for diabetes mellitus
- Developed and presented a design for a dialysis replacement device
- Served as Team Meeting Facilitator of a team of 5

Intro to Engineering Design September, 2011 - December 2011
- Built a Magnetic Widget Board capable of teaching Math and Physics concepts
- Developed an educational demo for Wilson Montessori Elementary School

**Activities:**
- Financial Team Leader, Village Innovators, January 2013- August 2014
  - Village Innovators is a non-profit startup devoted to empowering East Africans with guides to develop sustainable technology solutions.
- Managed an Indiegogo campaign development, funds
- Head Coach - Baker Powderpuff Football Team 2013-2015
- Team Leader – Athletes in Action, (Cru Ministry on Campus) 2013-2015
- Pianist & Trombonist & Guitarist -Yao Meets Soul (Band)
- Music Director, Dominion International Center Youth Orchestra