

EDUCATION BACKGROUND

Northwestern University – Evanston, IL Anticipated Dec 2016

MS, Electric Engineering – Cumulative GPA: 3.96/4.0 Minor: Master of Engineering Management (MEM)

New York Institute of Technology – New York City, NY May 2015

BS, Electrical & Computer Engineering – Cumulative GPA: 3.56/4.0

Honors: NYIT Presidential Honor List (GPA > 3.5) Best Student Model (1%), Excellent Student Leader, Second-Class Scholarship**SKILLS**

- Coding Languages: Familiar with Python, JAVA (National Computer Rank Examination, Band 2)
- Software Skills: MySQL, MS Access; MATLAB; Microsoft Visio, AutoCAD, Sketch Up; Latex, Markdown
- Front End Skill: Basic: HTML/CSS/ JavaScript; Framework: JQuery, Angular.js, Bootstrap
- Github Page: <https://github.com/MuyangAmigo>

RESERCH EXPERIENCE AND COURSE PROJECTS

Website Development Project: Adherence Pill Jan 2016 – Mar 2016

- Developed and continued refining medication cabinet page by overriding Bootstrap CSS
- Applied a sortable functionality using JQuery
- Deployed website to cloud-based backend parse.com

Human Computer Interaction: iTalk Jan 2016 – Mar 2016

- Designed sketches using inVison and prototyped a uniformed UI style controlled by frontify Style Guide
- Designed responsive user interface using Bootstrap CSS
- Developed comment/zoom/navigation function using JavaScript and JQuery
- Website is published through Github: <http://muyangamigo.github.io/eecs330/>

Sensor Network Project: Communication Between TelosB Motes Jan 2016 – Mar 2016

- Implemented a full-fledged operational network that collects information of in the physical reality monitored by motes
- Built corresponding TinyOS applications running on TelosB motes, sink and source respectively and displayed data using Serial Forwarder and a JAVA Oscilloscope GUI

Database Management Project of a Hospital System Oct 2015 – Dec 2015

- Develop an (E)ER diagram representing the model of the enterprise and converted into relational model
- Established the instance of the relational model in MS Access
- Provided SQL specifications for a collection of queries that the database should answer both in MS Access and MySQL

Capstone Project: Robotic Arm on a Moving Vehicle Sep 2014 – May 2015

- Developed image processing program in python implementing OpenCV library and Arduino code
- Project Website: <https://sites.google.com/a/nyit.edu/team-wall-e/home>

WORKING AND OFFCAMPUS EXPERIENCE

Citizen Teacher, Citizen School at Bronx Writing Academy, NYC, NY Jan 2015 – May 2015

- Taught Lego Robotics to 20 3rd grade students and explained basic concepts of robots
- Developed lesson plans and assisted students in assembling robots from Lego NXT Kit

International Student Ambassador, Office of International Education, NYC, NY Jan 2015 – May 2015

- Assisted Office staff with new student registration, including SEVIS and course registration
- Organized and promoted (Social Media) students activities, e.g. orientation, Chinese 101 and Tea Ceremony

Peer Tutor, Learning Center, Office of Academic and Enrichment Center, NYC, NY Jan 2015 – May 2015

- Provided individualized tutoring to 10 students each week in mathematics and college physics

Intern, Network Monitoring Center, China Mobile Zhenjiang Branch, Zhenjiang, China Jan 2013 – Mar 2013

- Monitored network dynamic environment, recoding signal stability logs and reporting the status of Base Transceiver Station (BTS) weekly

Global Volunteer, AIESEC Ghana, Kumasi, Ghana July 2012 – Aug 2012

- Taught HIV/AIDS lectures and achieved 1500 CEDIS sponsorship from local companies for our closing ceremony