

# Eric Sihao Lin

400 Broome Street Room 510A • New York, NY 10013  
(347) 839-6160 • eric.lin@nyu.edu • ericslin.com

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## EDUCATION

**New York University College of Arts and Sciences**, Manhattan, New York **Expected May 2019**  
*Bachelor of Arts in Computer Science, Bachelor of Arts in Mathematics* GPA: 3.2/4.0  
**Honors:** NYU College of Arts and Science Scholarship (Fall '15 – Spring '19)

## SKILLS

**Programming Languages:** Java, C/C++, Clojure, Swift, Go, SourcePawn  
**Scripting Languages:** Javascript, HTML/CSS, PHP  
**Operating Systems:** Windows, Mac OS X, Linux: Debian, CentOS, Ubuntu  
**Database Development:** MySQL, PostgreSQL, MongoDB  
**Other Software:** MatLab, Git, Photoshop/Illustrator, Dreamweaver  
**Foreign Languages:** Mandarin Chinese

## PROJECTS

**Laser Range Finding – NYU Tandon School of Engineering**, Brooklyn, New York **January 2019 – Present**  
*5G Millimeter Wave Researcher*

- Develop a solution to range finding using a single camera solution and traverse any given room
- Adapt machine vision mechanism to aid robotic room traversal using encoders and step-drivers
- Create a “set and forget” workflow for our robotic room traversal, maximize room coverage
- Update existing libraries from Python to current Go platform for better parallel thread processing

**Project Source:** <https://github.com/NYU-Efficient-Room-Traversal>

**Newton South High School Guide – App Design Team**, Newton, Massachusetts **February 2015 – June 2015**  
*App Design Team Co-Founder*

- Streamlined faculty absence input and tracking compared to conventional distribution via email listserv
- Alerted students of their upcoming schedule, automating changes to schedule if instructor is listed absent
- Created multiple platform alert for affected students via email, push notification, and/or text messages
- Managed school wide announcements to intended recipients instantly

**Project Source:** <https://github.com/NSHS-App-Design-Team>

## EXPERIENCES

**New York University Information Technology**, Manhattan, New York **September 2016 – Present**  
*Student Technology Assistant*

- Introduce and demonstrate lab technology in support of student exploration and collaboration
- Promote relevant coursework for interest students, run technical workshops open to entire university
- Provide on-demand support for all remote and satellite student technology centers throughout campus
- Oversee computer lab hardware and technical equipment such as Stratasys Mojo 3D printers
- Assure the safety and maintain a positive atmosphere for all computer lab clients to enjoy

**New York University America Reads and Counts**, Manhattan, New York **January 2016 – June 2016**  
*America Counts Mathematics Tutor*

- Collaborated with classroom teachers and after school program coordinators to assess students' needs
- Formulated a specialized lesson plan for each student to target weaknesses and strengthen understanding
- Initiated 1-on-1 or small group discussions on challenging topics to promote self-discovery

**Tufts University Teachers and High School Students Program**, Boston, Massachusetts **June 2015 – August 2015**  
*High School Research Assistant*

- Completed an independent research project under close supervision of a Tufts Medical Center sponsor
- Collaborated closely with other high school interns to deepen our scientific inquiry
- Presented clinical findings to project mentors and school administrators to promote future research

**Museum of Science**, Boston, Massachusetts **June 2011 – August 2015**  
*Hall of Human Life Volunteer and Summer Teen Intern*

- Delivered exemplary customer service through hands-on activities and informal education techniques
- Developed prototypes from new museum interactives to improve content delivery and guest engagement