

# Christopher Yang

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“Better is possible. It does not take genius. It takes diligence. It takes moral clarity. It takes ingenuity. And above all, it takes a willingness to try.”  
Atul Gawande, *Better*

## EDUCATION

**Northwestern University, Honors Program in Medical Education** 2015-2018  
Bachelor of Arts in Biological Sciences and Minor in Computer Science — GPA: 3.96

**Feinberg School of Medicine** 2019-2023  
Doctor of Medicine

## WORK EXPERIENCE

**Software Engineering Intern, Human Practice** 2015-2018  
Designed and developed Ember.js web application for handling physician referrals and scheduling appointments. Used principles of Agile Development methodology including pair programming, unit/acceptance testing, continuous integration, and test-driven development.

**Laboratory Research Intern, Rutgers University** 2013-2014  
Investigated cell biophysics, focusing on early embryology. Theorized mechanisms for intercellular communication using membrane adhesion proteins. Analyzed keratin filaments in collective cell migration.

## PROJECTS

**Chief Technical Officer, Track Trainer** 2016-Present  
Track Trainer: an affordable, engaging rehab device that will help stroke patients recover motor function in their hands, arms and shoulders.

Developed website ([www.thetracktrainer.com](http://www.thetracktrainer.com)) using HTML, CSS, and Bootstrap. Programmed logic behind Arduino micro-controller for the device using C++/C.

Wired circuitry between Arduino and various electronic TST tasks for the device. Currently in Northwestern's startup incubator, The Garage.

**Cofounder, MedSync** 2016-2017  
MedSync: an SAS startup that increases efficiency of hospital care by optimizing communication between resident and attending physicians.

Designed mobile app wireframe for product pitches to entrepreneurs and medical professionals. Validated product-market fit through interviews with over 60 residents / senior physicians. Ended at early stage in Northwestern's startup incubator, The Garage.

**SkyTran, Northwestern Impossible Challenge** 2015-2016  
SkyTran: a hypothetical network of automated, fully-electric magnetic levitation cars.

Challenged to find a way to mitigate global climate change through technological innovation in transportation. Spearheaded political and economic analysis of implementing SkyTran in Beijing. Took first place and won grand prize of \$5,000.

## RELEVANT COURSEWORK

Fundamentals of Computer Prog. I & II  
Introduction to Computer Systems  
Data Structures & Management  
Principles of Entrepreneurship

## SKILLS

### Programming Skills

Javascript, Ember.js, HTML, CSS, Bootstrap, C, C++, C#, Racket

### Other Computer Skills

Balsamiq, Adobe Premiere Pro, iMovie, AutoCAD/Inventor mechanical drafting

### Languages

English (Native), Mandarin (Business Proficient), Spanish (Intermediate)

### Activities

Refresh Dance Crew, Phi Kappa Psi, Camp Kesem, Club Tennis, Peer Adviser

### Interests

Fitness, Hip-hop dance, Videography, Volleyball, Journaling

## EXTRACURRICULAR

### Outreach Chair,

**Chinese Students Assoc.** 2016-Present  
Wrote, filmed, and edited two cinematic productions for \$30,000-budget Lunar New Year show.

Headed contract negotiation and event organization for world-class speakers, such as Eric Liu and Ki Hong Lee.

Directed recruitment events for hundreds of students in order to increase membership and contribute social/cultural value to NU.

