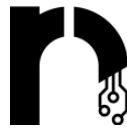(504) 333-9446
nguyen.rickyh@gmail.com
rnguyen6.github.io
linkedin.com/in/rnguyen6

RICKY NGUYEN

Current: 3201 S State St
Box # 2182
Chicago, IL 60616
Permanent: 893 Matador Dr
Gretna, LA 70056

EDUCATION

Illinois Institute of Technology
B.S. in Computer Engineering
Expected May 2018
Cumulative GPA: 3.70
Major GPA:　　　3.78

COURSEWORK

Digital & Signal Systems
Digital Computers & Computing
Engineering Electronics
Microcomputers
Object-Oriented Programming
Discrete Structures
Data Structures and Algorithms
Systems Programming
Database Organization

LANGUAGES

Proficient
LaTeX, HTML, CSS, Java, Python

Experienced
C, C++, MySQL

SOFTWARE

Microsoft Office
PSpice
Autodesk Inventor and Rhino 3D
Google Analytics
R, Matematica, MatLab
Adobe Dreamweaver
iMovie
Macromedia Flash
Audacity
Paint Tool SAI

SKILLS

Welding
Soldering
Woodwork
Vietnamese, Spanish, & Japanese

HONORS

IIT Dean's List (2015, 2016)
STEM+ Scholarship
University Scholarship

SUMMARY

Undergraduate student pursuing a Bachelor's degree in Computer Engineering, with further specialization in computer systems or embedded systems. Seeking an internship and/or job offer to gather work experience and find applications of circuitry and programming.
- Proficient in software programming, electronic circuitry, and media production.
- Experienced in customer services, communication, and financial management.
- Efficient leader and assistant, able to utilize resources to complete projects.

EXPERIENCE

IIT Teacher Assistant | Object-Oriented Programming I & II　　Jan 2016 – Present
- Assist students in introductory computer science programming.
- Lead lab sessions every week, answering questions and concerns.
- Reassigned as a teaching assistant three semesters in a row.

Freelance Electronics Repair Technician　　Aug 2011 – Aug 2014
- Repaired various mobile devices, video game consoles, and other electronics.
- Physical repair/replacement, artistic modifications, and hardware modifications.
- Software restore/unbrick, unlocking carrier, and flashing firmware.

PROJECTS

Li-Ion Battery Fabrication | Nano LiCoO$_2$ Synthesis　　Jan 2017 – Present
- Fabricate nano-LiCoO$_2$ to decrease diffusion distance in electrodes.
- Collaboration to compose batteries of fast recharge while maintaining voltage.

Big Data Science | Hybrid Particulate Matter Air Filter　　Aug 2016 – Dec 2016
- Utilized big data to prototyped a solution that acknowledges poor air quality.
- Collaborative effort in constructing an affordable particulate matter A/C filter.

Java Survival Game　　April 2015
- Arcade style horde survival computer game with ever-increasing difficulty.
- Created using Greenfoot and Java.

Couturie Forest Restoration Project　　Dec 2012
- Grew cypress tree saplings to restore City Park after Hurricane Katrina.
- Used tree protectors to provide research data of preservation effectiveness.

VOLUNTEER

Patrick Taylor In-School Tutor
- Tutored middle and high school students in mathematics and sciences after school from August 2012 to May 2014.

Lake Pontchartrain Beach Sweep
- Cleaned areas around Pontchartrain Basin and recorded information about debris in September 2011, 2012, and 2013.

Awareness Walk
- Managed donations, set up tents, delivered materials, and provided beverages.
- Susan G. Komen Race (Oct 2012), Buddy Walk (Oct 2012), and NO/AIDS Walk (Sept 2012 & 2013).

Save-An-Angel
- Sorted, packaged, and sold beads to raise money for canine lymphoma research in June, July, and December 2012.