Stanley Cheung

Education

Rensselaer Polytechnic Institute *Troy, NY* — *Aug '14 – Dec '17*

- Bachelor of Science, Computer Science
- GPA: 3.98/4.00

CSCI 4100 Machine Learning from Data (A)	MATP 4600 Probability Theory (A)
CSCI 4963 Distributed Systems & Alg. (A)	MATH 4800 Numerical Computing (A)
CSCI 4440 Software Design & Documentation (A)	MATH 4100 Linear Algebra (A)
CSCI 4430 Programming Languages (A)	CSCI 4967 Bioinformatics (A)
COGS 4962 Learning & Advanced Game AI (A)	CSCI 4210 Operating Systems (A)
CSCI 2300 Intro to Algorithms (A)	

Sept '10 – June '14

Skills

Languages Proficient In: Java, Python
Languages Familiar With: C++, MySQL, HTML5, CSS, PHP, LabVIEW
Software: Android Studio, Eclipse, QT, Git, Matlab, Sublime Text, Arduino, PCB Artist

Experience

Summer Research Program Intern, *MIT Lincoln Laboratory* — *June '16 – Aug '16*
Group 44 Humanitarian Assistance and Disaster Relief Systems Group — *June '15 – Aug '15*

- Designed and created Android prototype system to augment first responders during disasters.
- Worked on Next Generation First Responder program to equip first responders with AR technology.
- Integrated smartglasses functionality into enterprise Android mobile application.
- Created drone functionality for integration into enterprise Android mobile application.

Undergraduate Researcher, *MIT Lincoln Laboratory* ***&*** *Rensselaer Polytechnic Institute* — *Feb'16 – Dec '16*

- Created mobile application to provide communication between drone operator and drone.
- Implemented workflow to autonomously direct drone towards areas of interests for situational awareness.
- Ported image recognition algorithm into mobile app to detect people from drone video feed in real time via OpenCV

Undergraduate Researcher, *Rensselaer Polytechnic Institute* — *Sept '15- May '16*

- Created Android application to collect and process accelerometer readings to indirectly estimate circadian rhythm. — *Feb '15 – June '15*
- Gathered accelerometer data to provide test data.
- Worked under Professor Agung Julius, Professor John Wen, and Post Doc Wei Qian.

Software Intern, *Link Instruments* — *Dec '14 – Jan '15*

- Ported company software to gather data from mixed signal oscilloscopes in Linux. — *July '14 – Aug '14*
- Designed UI for the Mac OS version of company software.
- Learned to use QT development environment to create desktop applications in C++.

Robotics Track Leader, *Real World Connections Envigado at Medellin, Colombia* — *Aug '16*

- Taught high school students LEGO robotics using LEGO NXT Mindstorms.
- Presented sensor usage and programming techniques to create autonomous robots.
- Engaged students with seven mini-challenges culminating in a simulated robotics competition to gauge class performance.

Android Application Track Leader, *Survivors Science and Technology Enrichment Program (STEP) at New Jersey Institute of Technology* — *Oct '13 – May '14*

- Taught basic Android Application Development to high school students.
- Presented lectures on Java programming, Native GUI design, and Android specific libraries.

Programmer and Electronics Designer, *Landroids Robotics Team* — *Sept '07 – Apr '13*

- Outfitted robot with custom sensors to sense environment during competitions.
- Designed printed circuit board for robot to increase effectiveness of custom electronics.
- Contracted programming skills to side projects to generate critical funding.
- Programmed microcontrollers to outsource tasks and improve robot's responsiveness.

Android App Freelancer — *Present*
CSCI 2200 Foundations of Computer Science Undergraduate Mentor, *Rensselaer Polytechnic Institute* — *Sept '15 – Dec '15*
CSCI 1200 Data Structures Teaching Assistant, *Rensselaer Polytechnic Institute* — *Jan '15 – May '15*
Software Intern, *Biomedical Department of New Jersey Institute of Technology* — *Summer '11*
Robotics Track Leader, *Real World Connections at New Jersey Institute of Technology* — *Summer '11*

Honors

Robotics Competitions

- Won International FIRST Tech Challenge World Championships Robotics Competition Inspire Award (1st Place Overall). — *Apr '12*
- Won International FIRST Tech Challenge World Championships Robotics Competition Rockwell Collins Innovate Award (1st Place Robot Design). — *Apr '11*
- Invited to BAE Systems to showcase work in robotics. — *Summer '12*

Science and Technology Competitions

- Interviewed by Google Science Fair for "Beach Erosion" project and was invited to inaugural Google Science Fair — *Feb '11*
- Won International Moonbots science and robotics competition 1st Place Overall — *Aug '10*
- Won National ECYBERMISSION competition 1st Place in 8th grade category for "Deer Avoidance" project — *June '10*
- Won State ECYBERMISSION STEM competition 1st Place in 9th grade category for "Beach Erosion" project — *Fall '10*

Teaching

- Recognized for teaching best performing track out of five tracks (Robotics Track Leader, Medellin, Colombia) — *Summer '16*
- Recognized for teaching best performing track out of over ten tracks (Android App Track Leader, NJIT) — *Spring '14*

References available upon request