Sander Lanbo SHI

Address: 5032 Forbes Avenue, SMC5894, Pittsburgh, PA 15289, USA
Mobile: +1 (412) 478-7080 **Email:** lanbos@andrew.cmu.edu **Website:** http://www.sandershi.com **Github:** sandershihacker

EDUCATION

CARNEGIE MELLON UNIVERSITY
B.S. Computer Science
Minor in Mathematics
Class of 2019 | GPA 3.07/4.0

COURSEWORK

COMPUTER SCIENCE
• Imperative Programming
• Functional Programming
• Introduction to Computer Systems
• Great Theoretical Ideas in CS
• *Parallel and Sequential Data Structures and Algorithms
• *Computer Vision
• *Artificial Intelligence

MATHEMATICS
• Concepts of Mathematics
• Calculus in Three Dimensions
• Matrices and Linear Transformations
• Introduction to Probability Theory

SKILLS

COMPUTER
Languages
• C/C++
• SML
• Python
• Matlab/Octave
• Javascript
Web Development
• HTML5, CSS3 & SCSS
• ASP.NET
• Angular 2
• Meteor
• MongoDB

NATURAL LANGUAGES
• English
• Mandarin

OTHER
• Piano (15 years)
• Guitar (2 years)
• Street Trials Bike Stunts (2 years)

WORK EXPERIENCE

OPENCHIRP | Front-end Developer (part-time)
January 2017 - Present | Pittsburgh, PA, USA
• Currently developing the front-end of the OpenChirp website, using Angular 2.

TUXLAB | Software Engineering Intern
May 2016 - August 2016 | Pittsburgh, PA, USA

• Developed the front-end of the app using Angular 2 Meteor and Angular 2 Material.
• Wrote data validation, publication and subscription code.

HUNDSUN TECHNOLOGIES INC | Software Engineering Intern
September 2014 – October 2014 | Hangzhou, Zhejiang, China
• Tested socket programs for bugs.

EGO CORPORATIONS | IT Intern
June 2014 – August 2014 | Hangzhou, Zhejiang, China
• Fixed computers (swapped out hardware and installed Linux, Mac OS and Microsoft operating systems)
• Built over 100 computers for companies and individuals.

PERSONAL PROJECTS

University Club Website
Fall 2016 | CMU Summit Club Website
Designed and developed the club website of CMU SUMMIT.

Local Weather Data Collector
Spring 2016 | Team Project | Carnegie Mellon University
Built a module using Photon boards and customized PCB boards that collected weather data and sent the data to a website during CMU Build 18.

Android game: Tartan Tags
Fall 2015 | Team Project | Carnegie Mellon University
Developed an Android game mimicking the "Lazer Tag" game using bar-code scanning at the HackCMU Hackathon with a team of four people.

EXTRA-CURRICULUM ACTIVITIES

• **CMU Sahara**
2017 - Present | Member of the CMU Sahara dance group.
• **Theatre Tech**
2016 - 2017 | Member of the lighting crew in the Scotch'n'Soda Theatre at CMU.
• **Competitive Programming**
2011 - Present | Attended Algorithms with a Purpose twice, my team got 6th place in the 2017 competition. Completed 50 challenges on Project Euler.
• **Debate**
2012 - 2015 | Went to four debate tournaments around China, and won a quarter finalist prize along with two best speaker prizes.
• **English Club President**
2012 - 2014 | Held club events and organized activities twice a week and directed and acted in English plays.
• **Bike Stunt Club**
2013 - 2014 | Founded a bike stunt club and taught members how to perform tricks on street bikes.