Lanbo (Sander) SHI

School Address: Carnegie Mellon University, SMC5894, Pittsburgh, PA 15289, USA
Home Address: 1-4-601, Wantang Road, Hangzhou, 310013, China
http://www.sandershi.com | lanbos@andrew.cmu.edu | +1 (412)-478-7080

EDUCATION

CARNEGIE MELLON UNIVERSITY
Pittsburgh, PA
B.S. COMPUTER SCIENCE
Expected May 2019
GPA 3.3

COURSEWORK

CS AND MATHEMATICS
Fall 2015
• 15-122 Principles of Imperative Computation
• 21-127 Concepts of Mathematics
• 21-259 Calculus in Three Dimensions
Spring 2016
• 15-150 Principles of Functional Programming
• 15-251 Great Theoretical Ideas in Computer Science
• 21-241 Matrices and Linear Transformations

SKILLS

COMPUTER
Programming Languages
C • C++ • Java • Python • SML
HTML5 & CSS3 • JavaScript
ASP.Net • C#
Software
Visual Studio • Android Studio • Xcode

NATURAL LANGUAGES
•English
•Mandarin

WORK EXPERIENCE

C++ PROGRAMMER | HUNDSUN TECHNOLOGIES INC.
September 2014 – October 2014 | Hangzhou, Zhejiang, China
• Intern on the C++ programming team.
• Learned how to use bash.
• Tested socket programs for bugs.

HARDWARE ENGINEER | EGO CORPORATIONS
June 2014 - August 2014 | Hangzhou, Zhejiang, China
• Fixed desktop and laptop computers.
• Built over 100 computers for companies and individuals.
• Tested computer motherboards for problems.

PROJECT EXPERIENCE

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
Created an Android game mimicking the "Lazer Tag" game using bar-code scanning at the HackCMU Hackathon with a team of four people.

ENGLISH CLUB WEBSITE FOR HIGH SCHOOL
Summer 2014 | Individual Project | The High School Affiliated to Zhejiang University
Designed and built a dynamic website for my English club in high school using ASP.Net, HTML5, CSS3, Javascript, bootstrap, C#, and SQL.

PHYSICS MODELING SOFTWARE
Fall 2012 | Coursework Project | The High School Affiliated to Zhejiang University
Made a software that calculated values of a ball rolling off a ramp using Visual Basic.

EXTRA-CURRICULUM ACTIVITIES

• **Competitive Programming**
2011 - Present | Attended *Algorithms With a Purpose* (Oct. 2015) and *Bloomberg CodeCon* (Nov. 2015). Attended a Visual Basic Contest and won second prize, solved 30 problems on Project Euler, solved many problems on POJ(Peiking University OJ) and ZOJ(Zhejiang Univesity OJ), and did 40 challenges on Hacker.org.

• **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.

• **Instruments**
2001 - Present | Learnt to play the piano and the guitar decently and still maintain these skills to this day.