

Lanbo (Sander) SHI

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EDUCATION

CARNEGIE MELLON UNIVERSITY

Pittsburgh, PA

B.S. COMPUTER SCIENCE

Expected May 2019

THE HIGH SCHOOL AFFILIATED TO ZHEJIANG UNIVERSITY

Hangzhou, China

June 2015

COURSEWORK

UNDERGRADUATE

Fall 2015

- 15-122 Principles of Imperative Computation
- 21-127 Concepts of Mathematics
- 21-259 Calculus in Three Dimensions
- 79-104 Global Histories

Spring 2016

- 15-150 Principles of Functional Programming
- 15-251 Great Theoretical Ideas in Computer Science
- 15-322 Introduction to Computer Music
- 21-241 Matrices and Linear Transformations
- 76-101 Interpretation and Argument

SKILLS

COMPUTER

Programming Languages

C • Java • C++ • Python • C# • HTML5 & CSS3 • JavaScript •

ASP.Net • SML

Software

Visual Studio 2013 • 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 University 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.