

# Ze Zhou Sun

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## EDUCATION

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- ◆ **Boston University, Boston, MA, U.S.** 08/2018 - Now  
Ph.D. student, Computer Science
- ◆ **Boston University, Boston, MA, U.S.** 01/2017- 05/2018  
Master of Science, Computer Science
- ◆ **Ohio State University, Columbus, OH, U.S.** 07/2014- 08/2014  
Summer School Courses: Big Data, Leadership, ESL
- ◆ **Soochow University, Suzhou, China** 09/2011- 07/2015  
Bachelor of Engineering in Telecommunication Engineering

## WORK EXPERIENCE

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- ◆ **Suzhou Yosemite Intelligent Systems Co., Ltd.** 12/2015-11/2016  
Software Engineer, **Full time**
  - ✓ Industry manufacture data analysis for Foxconn Co., Ltd in ShenZhen, China.
  - ✓ Hardware failure prediction system.

## RESEARCH & PROJECT

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- ◆ **3D Virtual Reconstruction And Sound Simulation Of An Ancient Roman Brass Musical Instrument**  
*Ze Zhou Sun, Antonio Rodà, Emily Whiting, Emanuela Faresin, Giuseppe Salemi*  
**HCI 2020 -- Best Paper Award**  
*In this research project, we are focusing on reconstruction of a pretty damaged Roman musical instrument piece, found in Vighenza(Italy). The pieces composing the instrument were first digitized by means of a structured light system, then virtually restored and recomposed applying a on-purpose developed algorithm. Finally, some sounds coherent with the geometry of the reconstructed model were simulated using a physically-based synthesis approach.*
- ◆ **Simulation Control Research of Intelligent Prosthesis Based on EMG Signal** 06/2013-05/2015  
-- National Innovative Project for College Students  
*Project Leader (5 members)*
  - ✓ Designed embedded system and hardware circuits to extracted raw data
  - ✓ Pattern Recognition in EMG signal to extract features (Logistic regression, Neural Network)
- ◆ **Programming of Retina Image Processing Software** 06/2013-05/2015  
--National Innovative Project for College Students  
*Project Member*
  - ✓ Built retina image processing software in C++
  - ✓ Use C++ implemented matching algorithm to process retina OCT image, and locate pathological changes of it.

## TEACHING EXPERIENCE

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- ◆ Teaching Fellow for BU CAS CS 480/680 Computer Graphics (Emily Whiting) - 2019 Fall
- ◆ Teaching Fellow for BU CAS CS 581 Computational Fabrication (Emily Whiting) - 2019 Spring
- ◆ Teaching Fellow for BU CAS CS 411 Software Engineering (Perry Donham) - 2018 Fall.
- ◆ Teaching Assistant for BU CAS CS 320 Concepts of Programming Language (Wayne Snyder) - 2018 Spring.

## LEADERSHIP EXPERIENCE

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- ◆ **Student Union, C.W. Chu College of Soochow University** 2011-2013  
*Vice President & Vice Secretary General*
  - ✓ Planed and organized the College New Year Party with 200+ people attending.

## SKILLS

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- ◆ Proficient in C/C++, Python, Julia, Java, Javascript;
- ◆ Limited working proficiency with MATLAB, ATS, computer networks Protocol and its design
- ◆ Familiar with server deployment, circuit design and hardware design.

## HONORS

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- ◆ Excellent Graduation Thesis of Soochow University 2015
- ◆ Second Prize for Academic Excellence 2011-2015
- ◆ First Place in Interdisciplinary Research Contest 2011
- ◆ Academic Scientific Scholarship 2011-2012
- ◆ Excellent Students' Leader 2011-2012