



# ZILINGHAN LI

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## EDUCATION

### **Zhejiang University (ZJU-UIUC Institute)**

Electric and Computer Engineering

Aug. 2018 – Present

GPA: 3.99/4.0 (94.5 Credits)

### **University of Illinois at Urbana-Champaign**

Electric and Computer Engineering

Aug. 2018 – Present

GPA: 3.92/4.0 (36 Credits)

## SELECTED PROJECTS AND RESEARCH

### **FPGA based Game Design: Fruit Ninja** | *System Verilog*

Advisor: Prof. Chushan Li (Final project design of ECE385)

Nov. 2020 - Dec. 2020

### **Unbounded Barrier-Synchronized Concurrent ASMs** | *C++*

Advisor: Prof. Klaus-Dieter Schewe (Full paper as first author, accepted by [ABZ2021](#))

May 2020 - Feb. 2021

### **Linux-like Operating System supporting Multiple Terminals** | *C, x86-Assembly*

Advisor: Prof. Lumetta and Kalbarczyk (Final project design of ECE391)

Mar. 2021 - May 2021

### **Contrastive Learning & Active Learning** | *Pytorch*

Advisor: Prof. Gaoang Wang

May 2021 - Present

### **Large-scale Missing Data Imputation System** | *Python*

Advisor: Prof. Xiaoye Miao

Jun. 2021 - Present

## PUBLICATION

### **Conference Paper**

Li Z., He S., Du Y., González S., Schewe KD. (2021) Unbounded Barrier-Synchronized Concurrent ASMs for Effective MapReduce Processing on Streams. In: Raschke A., Méry D. (eds) Rigorous State-Based Methods. ABZ 2021. Lecture Notes in Computer Science, vol 12709. Springer, Cham. [https://doi.org/10.1007/978-3-030-77543-8\\_1](https://doi.org/10.1007/978-3-030-77543-8_1)

## TEACHING ASSISTANT EXPERIENCE

### **Math 241 (Calculus III)**

With Prof. Thomas Honold

Fall 2020

ZJUI Institute

### **ECE 120 (Intro to Computing)**

With Prof. Kindratenko

Spring 2021

UIUC

## ENGLISH SKILLS

### **TOEFL**

Listening: 30, Reading: 29, Writing: 29, Speaking: 24

112

### **GRE**

Verbal: 156, Quantitative: 168, Writing: 3.5

324+3.5

## SELECTED HONORS AND AWARDS

### **National Scholarship**

Highest honor of Chinese university students

Fall 2020

### **First-class Scholarship of ZJU-UIUC Institute**

Top students of ZJUI in 2019-2020 academic year

Fall 2020

## SKILLS

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**Programming:** Python, C, C++, System Verilog, MATLAB

**Tools:** Latex, Git, html, css

## SELECTED COURSES

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<b>Math 213</b> Discrete Mathematics	A+
<b>Math 241</b> Calculus III	A+
<b>CS 225</b> Data Structure	A+
<b>Math 286</b> Differential Equation Plus	A+
<b>ECE 220</b> Computer Systems and Programmings	A+
<b>ECE 313</b> Probability with Engineering Applications	A+
<b>ECE 374</b> Intro to Algorithms and Models of Computing	A+
<b>ECE 385</b> Digital Systems Laboratory	A+
<b>ECE 391</b> Computer Systems Engineering	A