

## EDUCATION

---

- **University of Utah** Salt Lake City, USA  
*Ph.D. in School of Computing*  
Advised by Prof. Cem Yuksel  
*Aug. 2023 – present*
- **Tsinghua University** Beijing, China  
*M.Eng in School of Integrated Circuits*  
Advised by Prof. Woogeun Rhee  
*Sept. 2016 – Jul. 2019*
- **University of Electronic Science and Technology of China(UESTC)** Chengdu, China  
*B.Sc in School of Microelectronics and Solid-State Electronics*  
*Sept. 2012 – Jul. 2016*
- **Chiba University** Chiba, Japan  
*Exchange program in Faculty of Engineering*  
*Oct. 2015 – Jul. 2016*

## RESEARCH INTERESTS

---

- Rendering, hardware ray tracing

## SELECTED PUBLICATIONS

---

- **Kunnong Zeng**, Woogeun Rhee, Zhihua Wang, “A BBPLL-based demodulator with multiphase and feedforward linearization methods for phase-tracking receivers” **IEEE EDSSC2019**.
- Xiaohua Huang, **Kunnong Zeng**, Woogeun Rhee, “A noise and spur reduction technique for fractional-N bang-bang PLLs with embedded phase domain filtering” **IEEE ISCAS2019**.
- Xiaohua Huang, **Kunnong Zeng**, Yuguang Liu, Woogeun Rhee, Taeik Kim, Zhihua Wang, “A 5GHz 200kHz/5000ppm spread-spectrum clock generator with calibration-free two-point modulation using a nested-loop BBPLL” **IEEE CICC2019**.
- Jiahao Zhao, Yining Zhang, **Kunnong Zeng**, Woogeun Rhee, Zhihua Wang, “A 2.4-GHz Crystal-Less GFSK Receiver Using an Auxiliary Multiphase BBPLL for Digital Output Demodulation With Enhanced Frequency Scaling” **IEEE TCAS-II2021**.

## INDUSTRIAL EXPERIENCE

---

- **HiSilicon Technologies Co., Ltd.** Shanghai, China  
*Digital circuits and algorithms design engineer*  
*Sept. 2019 – Jul. 2023*
- **Shengqu Games** Shanghai, China  
*Game designer intern in Product Research Center*  
*Jul. 2018 – Aug. 2018*

## SELECTED HONORS & AWARDS

---

- **The Special Grade People Scholarship** UESTC; 2015
- **The First Grade People Scholarship** UESTC; 2014
- **The Third Prize in National College Students Mathematical Competition of SiChuan**  
Chinese Mathematical Society; 2014
- **The Second Prize in Contemporary Undergraduate Mathematical Contest in Modeling of SiChuan**  
China Society for Industrial and Applied Mathematics; 2015

## ADDITIONAL INFORMATION

---

- **English Proficiency:** IELTS: 7.5
- **Programming Skills:** Python, C/C++
- **Japanese:** JLPT-N1