Kunnong Zeng

Email: u1472004@utah.edu

EDUCATION

- **University of Utah** — Salt Lake City, USA
  Ph.D. in School of Computing — *Aug. 2023 – present*
  Advised by Prof. Cem Yuksel and Prof. Erik Brunvand

- **Tsinghua University** — Beijing, China
  M.Eng in School of Integrated Circuits — *Sept. 2016 – Jul. 2019*
  Advised by Prof. Woogeun Rhee

- **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