Kaidong Peng

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EDUCATION

University of Illinois at Urbana-Champaign — Urbana, IL
- *Bachelor of Science, Electrical Engineering; GPA: 4.00 / 4.00* — *Aug. 2014 – May. 2018 (Expected)*
  Minor: Computer Science, Physics

PROFESSIONAL EXPERIENCE

IEEE-HKN UIUC Alpha Chapter — Urbana, IL
Director of Publicity — *Jun 2016 - May 2017*
- **Publicity**: Publicize organization and events on multiple media platforms (Facebook page, E-newsletters, etc.)
- **Communication**: Interact and work with department and corporate representatives on student affairs and events

Department of Electrical and Computer Engineering, UIUC — Urbana, IL
Student Instructor of Analog Signal Processing Honors Class — *September 2016 - Present*
- **Scientific Computation Tools**: Teach students with basic skills on the use of MATLAB and Python
- **Signal Processing**: Teach students signal processing and signal analysis techniques using software tools

Teaching Assistant of Integrated Circuit Fabrication and Design Class — *Jan 2017 - May 2017*
- **Instruments**: Lead lab session and operate stepper, evaporator, prob station, furnace, etc.
- **Cleanroom Processing**: Teach students RCA, photolithography, etching, evaporation, lift off, annealing, etc.
- **IC Device Fabrication**: Help students fabricate integrated PN diodes, MOS capacitors, BJTs, FETs, etc.

Photonic Systems Laboratory — Urbana, IL
Undergraduate Research Assistant — *Feb 2016 - Present*
- **EDFA(Fiber Optic Amplifier)**: Fabricate an EDFA controller interacted with LabVIEW through RS-232.
- **Laser**: Set up and install 850nm single mode fiber-pigtailed laser diode module for experiements in lab
- **E2CDA**: Participate in Energy-Efficient Computing: from Devices to Architectures funded by NSF and SRC
- **Device End-to-End Testing**: Work on Silicon Nitride based waveguide characterization and loss measurement
- **Optical Switching**: Work on energy efficient non-volatile optical switching

Jump Operations, LLC — Chicago, IL + Champaign, IL
Software Engineering Intern — *Jan 2017 - May 2017, June 2017 - Aug 2017*
- **Jump Trading**: Build production trading platform verification and analysis tools as summer intern
- **Jump Lab**: Work on production Bitcoin trading platform and build trading strategy real-time control tool

Johnson Controls, INC — Milwaukee, WI
Data Analytics Intern — *May 2016 - Aug 2016*
- **Data Platform**: Work on automated system data platform and write system automatic tests
- **Data Management**: Build a data management operational tool with web UI that greatly improves work flow

PUBLICATIONS

- Toward Universal Analysis and Visualization of HPC Application Input/Output Behavior, PMBS, 2015

AWARDS AND HONORS

- Edward and Margaret Ernst Award, 2017
- Suzhu High School Outstanding Student Research Based Learning Award, First Prize 2013
- National Olympiad in Informatics (Jiangsu Province Division), Third Prize 2012
- National Olympiad in Mathematics (Hubei Province Division), First Prize 2011
- University of Illinois Dean's List 2014-2017

COMPUTER SKILLS

Languages: C++, C, Python, MatLAB, Javascript, HTML, x86, Typescript, SystemVerilog, Bash, PHP, SQL, Java
Tools: LabVIEW, Origin, Comsol, Postgres, MySQL, AWS, Mircosoft Office, LaTeX, Miscrosoft VS, Vim
Environment: Linux, Mac OSX, Windows

INTERESTS

- Classical piano, classical music, boxing, skiing, soccer, basketball, bodybuilding, swimming