Peidong Li

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Education

Wuhan University **China**
BEng *Electrical Engineering and its Automation* **Sep. 2018-now**

- GPA：3.88/4 91.92/100 (Top 5%)
- Coursework: *Advanced Mathematics B1 & B2(99, 89), Electric Circuit I & II(99, 91), Linear Algebra B(99), Complex Function and Integral(97), Signal and Linear Systems(96), Power Electronics(95), Principle of Automatic Control(91) .*
- Awarded the *National Scholarship* and *Wuhan University Scholarship for Outstanding students.*

Honors and awards

- Scholarships：

  2018-2019 National Scholarship
  2018-2019 Wuhan University Scholarship for Outstanding students (Class A)
  2019-2020 Wuhan University Scholarship for Outstanding students (Class B)

- Contests：

  Honorable Mention（Top 20%） in the 2020 Mathematical Contest in Modeling

- Social Activities：

  Outstanding volunteer of the 7th World Military Games
  2018-2019 Wuhan University Outstanding Young Volunteer

Experiences

Center for Grid Power Electronics, Wuhan University **Jan. 2021-now**
Research Intern

- Currently focusing on the simulation of LLC circuit with optimal trajectory control strategy to achieve soft start-up, wide input voltage range, light load efficiency improvement and fast transient response.
- Working on a project of building a DAB-LLC hybrid bidirectional converter with optimal trajectory control strategy.
- The project is supposed to finish before Jun. 2021, and involves multiple skills including circuit simulation, digital signal processing and PCB layout design.

Language & Skills

- English: IELTS 7.5 (8.5/R 8.5/L 6.0/S 6.0/W) CET-4 629 / CET-6 584
- Have an experience in embedded system development on Arduino microcontroller. Taken a practical course and finished a project that refitted the lock of dormitory room's door to create an access control based on Arduino MCU.
- Familiar with Simulink software and have basic skills of analysis and simulation on a circuit model. Can implement specific control strategy on a given circuit and analyze its effect to seek for potential improvements.

Miscellaneous

- Have basic programing skills. Taken Berkeley CS61A (Structure Interpretation of Computer Program) self-paced, and is familiar with C and Python programing language.
- Attended Digital Image Processing course and completed a program to implement recognition of pointer meter readings based on dial characteristics.