Jingyi Yang

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female | 1996/01 | undergraduate | Chicago, America

Education

undergraduate

• Chang'an university（Xi'an）　　College of electronics and control engineering

　　• Major: Electronic science and technology --- **2015/08 till now**

　　• Minor: Chang'an university（Xi'an）　　Music Appreciation---**2015/10 till now**

• Uinversity of Illinois at Chicago（Chicago）　ECE --- **2018/08 till now(exchange student)**

Personal profile

• During my undergraduate study, I majored in electronic science and technology and was good at Nanoelectronics, Theoretical Physics and Digital signal processingl. At the same time, I also have deep research on quantum mechanics and solid state physics.

• I have internship experience in both samsung and Siemens LABS and have a certain understanding of the industry development frontier.

• I taught myself the algorithm knowledge of machine learning and am very interested in the field of machine learning.

Research experience

• The interaction between different interfaces on the nanometer scale was studied by using molecular dynamics simulation system：The "atomic contact" method can calculate the contact area of arbitrary indentation depth more accurately. We use "Diffusion welding": the diffusion welding between copper and silver is simulated. The simulation shows that the strength of copper and aluminum after diffusion welding has good mechanical properties, and the tensile strength reaches about 88% of that of the ideal combination of copper and aluminum.

• In the development of wearable devices, the energy generated by human body is transformed into electric energy through thermoelectric generator: Electricity is generated by the difference in temperature between the body and the surrounding environment.

School honors and awards

• Electronic welding contest for college students, first prize**---2016/05**

• National college student robot contest,third prize**---2017/08**

• Electronic design competition for college students,third prize**---2016/06**

• National scholarship of the Chinese government**---2013-2014,2014-2015,2015-2016,2016-2017,2017-2018,2018-2019**

• Merit Student**---2015-2016,2016-2017,2017-2018**

Professional skills

EDA Tools │ C language │ matlab │ Auto CAD │ Microsoft office：（Word、Excel、Power point） │

Language

• Madarin

• English　ILETS 6.5