**Curriculum Vitae Zhipeng Wu**

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Tel: +1(402) 217 8699 Email: [zhipengwu1996@gmail.com](mailto:zhipengwu1996@gmail.com) Date of Birth: Oct 16th, 1996 Nationality: China

# EDUCATION

**Huazhong University of Science and Technology, China** *Sept. 2014****-****Jun. 2018*

*Bachelor of Engineering in Optoelectronic Information Science and Engineering, school of Engineering Sciences*

**Overall GPA:** 90.5/100, top two academic ranking among students in the major

**University of Nebraska-Lincoln, USA** *Oct. 2017–Apr. 2018*

*Research Internship at Laser Assisted Nano Engineering (LANE) Lab as an International exchange student*

**University of Nebraska-Lincoln, USA**

*Ph.D program in Department of Electrical and Computer Engineering, University of Nebraska-Lincoln*

*Sep. 2018–Present*

# RESEARCH INTERESTS

* **Laser assisted combustion flame chemical vapor deposition(CVD) method to grow diamond films**

Fabrication of diamond films by CVD method on tungsten carbide and silicon substrate. Different lasers are introduced in the process to improve the quality and growth rate of diamond films. To overcome the large bandgap of diamond, Boron is doped in the CVD process to make the diamond films semi-conductive.

* **Selective Laser melting 3D printing**

Three dimension(3D) printing of complex structure using copper and copper-tin powders. To get a material with good thermal conductivity as well as low coefficient of thermal expansion, copper-diamond composite is used in 3D printing.

# EXPERIMENT SKILLS

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| * Combustion flame chemical vapor deposition(CVD) |
| * Selective laser melting(SLM) |
| * Raman Spectroscopy |  |
| * Magnetron sputtering * Magnetron sputtering |  |
| * Mass spectroscopy(MS) |
| * Scanning electron spectroscopy(SEM) |
| * Vickers hardness test |
| * 3D Optical Surface Profilers * Self-improvement Scholarship |
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# JOURNAL PUBLICATIONS

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| * N/A |

# HONORS

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| * Outstanding Graduate of Huazhong University of Science and Technology in the year of 2018 | *June.2018* |
| * Self-improvement Scholarship | *Nov.2017* |

# OTHERS

* **Computer Skills:** Excellent in C++, Matlab, Pspice, Origin and Comsol
* **TOEFL** 99 (R27, L27, S20, W25)
* **GRE** 322(V152, Q170, AW3.5)