

# Jiajing Fang

Personal webpage: <https://jiajingfang.github.io/>

Email: [krissfong@gmail.com](mailto:krissfong@gmail.com)

Tel: +49 17657634010

## Personal Information

Nationality :China

Gender :Female

## Education:



2014.Sep-- 2018.Jul South China University of Technology Computer Science and Engineering & Materials Science and Engineering B.S ,Guangzhou Guangdong  
Outstanding student and gain scholarships for 2 consecutive years(3.44/4 GPA)

2017.Sep--2018.Jan St. Petersburg National Research University of Information Technologies Mechanics and Optics (ITMO) exchange student, St. Petersburg Russia

2018.Sep--Present Saarland University Media Informatics M.S, Saarbrücken Germany  
Worked as Hiwi in Computation, Appearance and Manufacturing group in Max Planck Institute

## Experience and Publication:

Master	<p><b>Moire Effect on Curved Surfaces Research Project:</b> Be responsible for simulation in <i>Blender</i> using <i>Python</i> and fabrication (3D prototype design and 3D printing) published in Optics Express, <a href="#">Vol. 28 (13), 2020</a></p>
Thesis	<p><b>Movie Question Answering System:</b> Built a small toy movie question answering system using knowledge graph database in <i>Neo4j</i> and <i>Sklearn</i> for classification and <i>SpaCy</i> for NERD</p> <p><b>Drone Dialogue System:</b> A <i>Natural Language Generation</i> Project uses schema expanding warning information as data to train a native language <i>dialogue system</i> for drone with pre-trained model <i>T5</i></p>
Intern	<p><b>Software Engineer Intern in <a href="#">Quantpi</a>:</b></p> <ol style="list-style-type: none"> <li>1. Analyze new datasets, train and evaluate different models in pyTorch environment as input for our AI model explanation software</li> <li>2. Debug and test new software features</li> <li>3. Collaborate with seniors to research and investigate new technical issues</li> </ol> <p><b>Software Engineer Intern in <a href="#">Huawei</a>:</b></p> <ol style="list-style-type: none"> <li>1. Collaborate with seniors to implement and maintain an object detection model in Huawei AI cloud development platform</li> <li>2. Assist to develop educational software application demo in Unity for startup client</li> <li>3. Investigate Huawei AI and VR products and generate documentation</li> </ol>

## Capabilities:

Skills:	<p><b>Language:</b> Python, C++ , Java, mySQL, HTML, CSS, JavaScript</p> <p><b>Libraries:</b> keras, Tensorflow, pyTorch, sklearn, Pandas, NumPy, NLTK, SpaCy, Neo4j</p> <p><b>Skills:</b> <i>Machine learning &amp; Data analysis</i> (EDA for datasets), <i>Natural language generation and processing</i>, <i>Software development</i> (Git, linux), <i>3D animation and VR</i> (Blender, Unity 3D)</p>
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