



Development Center  
Germany GmbH

## Letter of Reference

*Amazon is guided by four principles: customer obsession rather than competitor focus, passion for invention, commitment to operational excellence, and long-term thinking. Customer reviews, 1-Click shopping, personalized recommendations, Prime, Fulfillment by Amazon, AWS, Kindle Direct Publishing, Kindle, Fire tablets, Fire TV, Amazon Echo, and Alexa are some of the products and services pioneered by Amazon.*

We hereby certify that Mr. Shuailong Liang, born on 26.08.1993, started working in our company on 15.11.2019 as an Applied Science Intern. He was in charge of the following main tasks:

- Literature Review in Deep Learning based Goal Oriented Dialog Systems
- Reimplement and carry out extensive evaluation of TRADE (Transferable Multi-Domain State Generator for Task-Oriented Dialogue Systems) by Wu et al., ACL 2019
- Implement novel neural network architectures for weakly supervised dialog state tracking task

Mr. Liang possessed outstanding and profound knowledge and great expertise, which he continuously used in a highly profitable manner for our company's benefit. Due to his well-trained analytical abilities and good comprehension, he developed effective solutions, which he successfully implemented according to business needs. Even in critical situations, he acted with remarkable foresight, which enabled him to take appropriate and responsible decisions. Mr. Liang took the initiative and demonstrated a strong commitment to both our company and our customers. Even under the most difficult working conditions and great pressure, his performance was to our full satisfaction and even exceeded our expectations. Mr. Liang planned all of his work very well, he always delivered his projects on time and was highly result-oriented. He was always reliable and highly accurate in his work.

We were very satisfied with Mr. Liang's performance in every respect at all times. His behavior towards his superiors, colleagues as well as his interaction with customers and business partners was always exemplary, friendly and appropriate.

Amazon Development Center Germany GmbH  
Krausenstr. 38, 10117 Berlin

Geschäftsführung: Christian Schläger, Jonathan Weiss  
Eingetragen am Amtsgericht Charlottenburg unter HRB 149173 B Sitz: Berlin Ust-ID: DE 289 237 879



## Development Center Germany GmbH

Mr. Liang's internship ends on 29.02.2020. We would like to thank him for the excellent work and wish him all the best and continuing success, both for his professional and personal future.

Berlin, 29.02.2020

A handwritten signature in black ink, appearing to read "Sielka".

Filip Sielka  
Service Manager

*This reference has been created in close collaboration with Gyuri Szarvas, the manager of the employee.  
The manager entirely approves this reference.*