



**Sustainable  
Agricultural  
Systems &  
Engineering  
Lab**



**Assoc. Prof. Thomas Cherico Wanger Guerrero**  
*Principal Investigator* | Sustainable Agricultural Systems & Engineering Lab

*Adjunct Researcher* | [Agroecology](#) | University of Göttingen | Germany  
*Founder & Core Team Chair* | [Global Agroforestry Network](#) | China  
*Founder & Core Team Chair* | [China Rice Network](#) | China

School of Engineering | Westlake University  
Shilongshan Road No.18, Xihu District, Hangzhou, Zhejiang, China  
[Scholar](#) | [LinkedIn](#) | [ResearchGate](#)

## Research Assistant – AI Engineer 研究助理- AI 工程师

The Sustainable Agricultural Systems & Engineering Lab (SASE; <https://www.tomcwanger.com>) at Westlake University has developed embedded devices to use images, sounds and environmental data to monitor natural and agricultural environment. We are now developing the cloud solution to analyse the data from our devices.

西湖大学的可持续农业系统与工程实验室（SASE）当前开发出了一种通过图像、声音以及环境数据监测自然及农业环境的嵌入式设备。我们目前正在开发一套用来分析设备生成数据的云端解决方案。

We are looking for a highly motivated, and innovative individual who is passionate about cloud computing and has experiences in developing Machine Learning solutions on Azure technology products. To be successful you should be passionate about cloud computing, AI, ML and have a knack for learning in an international environment.

我们正在寻找一位在云计算方面有激情且有经验的自驱力十足的创新型人才加入到我们的团队，负责在 Azure 科技产品中开发机器学习的解决方案。为了胜任这份工作，您需要具备在云计算、AI、机器学习领域的激情，并掌握在国际环境中汲取知识的能力。

The position will be based in the SASE lab in Hangzhou, China and requires frequent interaction in Chinese and English. You will be required to work independently and as part of our embedded device team.

本岗位坐标为杭州西湖大学云谷校区/云栖校区，要求候选人适应中英文双语工作环境。作为嵌入式设备团队的一员，我们要求您独立完成工作。

- Design and develop high performance machine learning application for cloud offerings.
- Implements various distributed algorithms such as model/data parallel frameworks, parameter servers, dataflow based asynchronous data communication in machine learning, and/or deep learning frameworks.
- Design and develop machine learning experiences on distributed computing platform, such as Spark, Hadoop, Yarn, Cosmos, etc.
- Other tasks as assigned

岗位职责

- 为云产品设计和开发高性能机器学习应用程序。
- 实现各种分布式算法，如模型/数据并行框架、参数服务器、机器学习中基于数据流的异步数据通信和/或深度学习框架。
- 在分布式计算平台上设计和开发机器学习体验，如 Spark, Hadoop, Yarn, Cosmos 等。
- 分配的其他任务

### **Job Requirements**

1. Bachelor or Masters degree in computer science or related field
2. 2 years experience in data analysis, in image/video, natural language, or other field
3. 2 years experience on machine learning or AI cloud platform
4. 2 years experience in deep learning frameworks such as PyTorch or TensorFlow
5. Knowledge and experience in computing frameworks such as Spark and Hadoop
6. Experience with embedded ML a plus
7. Results-oriented & self-motivated & curious
8. Desire to apply your skills collaboratively in an international team
9. Good communication and presentation skills in Chinese and English

### **岗位要求**

1. 计算机科学或相关领域的学士或硕士学位
2. 2年以上数据分析、图像/视频、自然语言或其他领域的工作经验
3. 2年机器学习或 AI 云平台经验
4. 2年 PyTorch 或 TensorFlow 等深度学习框架经验
5. 在 Spark 和 Hadoop 等计算框架方面的知识和经验
6. 有嵌入式 ML 经验者优先
7. 以结果为导向，自我激励，充满好奇心
8. 渴望在国际团队中协同应用您的技能
9. 良好的中英文沟通和表达能力

### **Compensation and Benefits**

Salary between 10,000 - 20,000RMB/ month depending on experience and a diverse and international research environment. **Starting date: 30th of April 2022** or as soon as possible. The planned duration of the position is two years.

### **薪酬福利**

薪水在 10,000-20,000 元/月之间，具体取决于经验和多样化的国际研究环境。开始日期：2022 年 4 月 30 日或尽快。该职位的计划期限为两年。

### **How to apply**

Please submit your application documents in English to **Prof. Thomas Cherico Wanger**

[tomcwanger@westlake.edu.cn](mailto:tomcwanger@westlake.edu.cn)).

Application documents must include a cover letter, a CV and the names (with email addresses) of two potential referees. Shortlisted candidates will be invited for interviews in mid April 2022. The position remains open until filled.

For questions please contact **Prof. Thomas Cherico Wanger** ([tomcwanger@westlake.edu.cn](mailto:tomcwanger@westlake.edu.cn)).

#### 如何申请

请将您的英文申请文件提交给 Thomas Cherico Wanger 教授 ([tomcwanger@westlake.edu.cn](mailto:tomcwanger@westlake.edu.cn))。

申请文件必须包括求职信，简历和两名潜在推荐人的姓名（附有电子邮件地址）。入围候选人将于 2022 年 4 月中旬受邀参加面试。该职位在被填补之前一直保持开放状态。

如有疑问，请联系托马斯·切里科·旺格教授 ([tomcwanger@westlake.edu.cn](mailto:tomcwanger@westlake.edu.cn))