

唐梓涯

📞 153-5770-8868 @ tcztzy@hotmail.com github.com/tcztzy
🏠 塔里木大学 🎓 农业工程 · 硕士 🎂 1992-03-13 📍 阿拉尔

农业工程专业（农业电气化与自动化方向）硕士研究生，有扎实的农学、数学与统计学基础，擅长数据建模与分析，热衷计算机和网络技术，熟练掌握 Python 和 C/C++ 语言编程，有 8 年的 Linux 使用经验。积极实践自由开源精神，在 [GitHub](#) 上分享多个项目，在 [PyPi](#) 上维护 6 个包，并积极参与其他多个开源项目。

🔧 技能和语言

操作系统 🐧 Ubuntu Linux (8 年) 🐧 Arch Linux (6 年)
编程 🐍 Python, `</>` C/C++, `℞` R, `ℒ` TeX
工具 Git, CMake, Meson, Visual Studio Code, `ℒ` TeX
数据分析 Pandas; Matplotlib, ggplot2, Tikz, Scikit-learn, TensorFlow
网站开发 Flask, Django, Express.js, React.js
🗣️ 语言 英语 — 读写（优良），听说（日常交流）CET-6 456

🎓 教育背景

2022.09	塔里木大学 · 信息工程学院
2019.09	农业工程 · 硕士
2014.06	西北农林科技大学 · 植物保护学院
2010.09	植物保护 · 学士


`</>` 个人项目

- › [cotton2k](#): (C++, Rust, Python) 棉花生长模拟模型
- › [zac](#): (Python) Zac 大气校正工具，可校正 Landsat、Sentinel 和 MODIS 系列卫星，基于 [SAIC](#)
- › [uyghur](#): (Python, Perl) 现行维吾尔文和拉丁维吾尔文转换工具
- › [resume](#): (`ℒ` TeX) 此简历的模板和源文件

⚙️ 科研竞赛

- › 2019 年“华为杯”第十六届中国研究生数学建模竞赛国家三等奖。
- › 2021 年“华为杯”第十八届中国研究生数学建模竞赛国家三等奖。
- › 2021 年“蓝桥杯”第十二届蓝桥杯大赛个人赛软件类全国总决赛 Python 大学生组三等奖。

📁 工作经历

2018.03	软件工程师 @ 科大讯飞股份有限公司
2017.03	› Odeon 大数据平台的开发，主要负责后端功能模块的构建和前端页面的展示。
2017.03	技术支持工程师 @  微软中国
2016.07	› Microsoft Azure 云计算平台的开发技术支持 › Office 365（现 Microsoft 365）的开发技术支持
2017.03	软件工程师 @ 南京振古科技有限公司（初创公司）
2015.07	› 后端开发（Django），完成用户注册、数据存储和搜索等功能 › Docker 容器开发，将科研行业软件容器化

Ziya TANG

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🎓 Master in Agricultural Engineering

🏛️ Tarim University (TARU)

🏠 1992 Mar.

📍 Alaer

Master in Agricultural Engineering (electrification and automation) with good foundations of agronomy, math, and statistics. Proficient in data modeling and analysis, and enthusiastic about computer and network technologies. Skilled in Python, and C/C++ programming, and had 7 years of experience in Linux. Passionate about open source and share multiple projects on my [GitHub](#). Meanwhile, I am an active Python developer who maintained 6 packages in [PyPi](#) and a contributor to several other open-source projects.

🔧 Competences & Languages

Operating Systems

🐧 Ubuntu Linux (7 years) 🐧 Arch Linux (5 years)

Programming

Python, C/C++, Rust, R, MATLAB, Perl, \LaTeX

Tools

Git, CMake, Visual Studio Code, Ansible, \LaTeX

Data Analysis

Pandas; Matplotlib, Tikz; Scikit-learn, TensorFlow

Web Development

Flask, Django, TypeScript, Vue

🌐 Languages

English — reading & writing (good); listening & speaking (conversant) CET-6 456

🎓 Education

September 2022 | College of Information Engineering, **Tarim University**

September 2019 | Master's Degree in Agricultural Engineering

June 2014 | College of Plant Protection, **Northwest A&F University**

September 2010 | Bachelor's Degree in Plant Protection

⚙️ Computer Skills

- Designed and developed the [Odeon Big Data Platform](#) (Django, Vue, Ansible, Hadoop)
- Good at Microsoft Azure cloud computing platform's architecture and development, helped customers from worldwide migrate their business to cloud
- Good at DevOps for Linux operating system, containerized some scientific computation softwares

🔗 Personal Projects

- [cotton2k](#): (C++, Rust, Python) cotton growth simulation modeling software
- [zac](#): (Python) Zac atmospheric correction toolkit, works for Landsat, Sentinel and MODIS satellite, based on SAIC
- [uyghur](#): (Python, Perl) Uyghur Perso-Arabic alphabet (UEY) to The Uyghur Latin alphabet (ULY)
- [resume](#): (\LaTeX) The template and source files of *this resume*.

⚙️ Research Achievements

- Developed a suite of utilities to semi-automate the Refactored original Cotton2K simulation model [cottonmodel](#).
- Published 2 co-authored papers.

💼 Career

March 2018 | Senior Software Engineer @ iFLYTEK Corporation

- March 2017
- Developed [Odeon Big Data Platform](#), implemented backend featured modules and visualized in web browser.

March 2017	Support Engineer @  Microsoft China
July 2016	<ul style="list-style-type: none"> › Technical supporting for Microsoft Azure › Technical supporting for Office 365 (Microsoft 365)
July 2015	College student Village Officials @ Suqian Jiangsu
July 2014	<ul style="list-style-type: none"> › Routine works for office of the town government