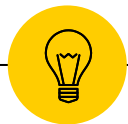


0. Welcome



《Python programming》 / Lecturer : Zhiyi Luo (罗志一)

School of Computer Science and Technology
计算机科学与技术学院



About me

- 罗志一，博士，毕业于上海交通大学计算机系
- 研究方向
 - 自然语言处理，信息检索，问答系统等
- 个人主页
 - `zhiyiluo.site`



About me

[Home](#)
[Research](#)
[Projects](#)
[Teaching](#)
[Activities](#)

罗志一 (Zhiyi Luo) 学术主页



Assistant Professor,
School of Information Science,
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About Me

I received the B.S. degree from the **Sichuan University** in 2013, and the Ph.D. degree from the **Shanghai Jiao Tong University** in 2020. I have one-year industry work experience at the **Search & Recommendation Team of Alibaba Group**. After that, I joined the School of Information Science at the **Zhejiang Sci-Tech University** in 2021.

Research Interests

- Machine Learning
- Natural Language Processing
- Knowledge Representation Learning
- Information Retrieval

News

- **NEW** 2022.3 2022 AI 2000 Most Influential Scholar Award Honorable Mention in Knowledge Engineering.
- **NEW** 2021.12 Received the Zhejiang Provincial NSFC general research grant.



Course logistics

- Learn programming in python
- Course page
 - <http://zhiyiluo.site/teaching.html>



Course logistics

- Learn programming in python
- Course page
 - <http://zhiyiluo.site/teaching.html>

QQ Group: 478401142



python程序设计*(2...

群号: 478401142



扫一扫二维码，入群聊。





References

- Liang y. d., Introduction to Programming Using Python, Pearson, 2012
- Sebastian Raschka, Python Machine Learning, Wiley Publication, 2015.
- Eric Matthes, Python Crash Course: A Hands-On, Project-Based Introduction to programming, No Starch Press, 2015.
- Marklutz, Learning Python 4th Edition, O'Reilly, 2011.



Requirements

● Attendance 10%

● Homework 40%

- 作业会根据课程进度在课程网站上进行发布（课上、群里会通知）
- 一般周一发布作业，当周完成，下周一上课时以纸质版形式递交
- 迟交（但在第**14**周之前补交），作业成绩打七折（即该次作业最终成绩为作业得分乘以**70%**）；**14**周之后补交成绩为**0**。

● Final Exam 50%

- Closed-book



Overview

- Basis of computer science
- What is the program
- Development tools 开发工具: Pycharm
- Environments Setup 环境配置: Anaconda



Overview

- ◎ **Basis of computer science**
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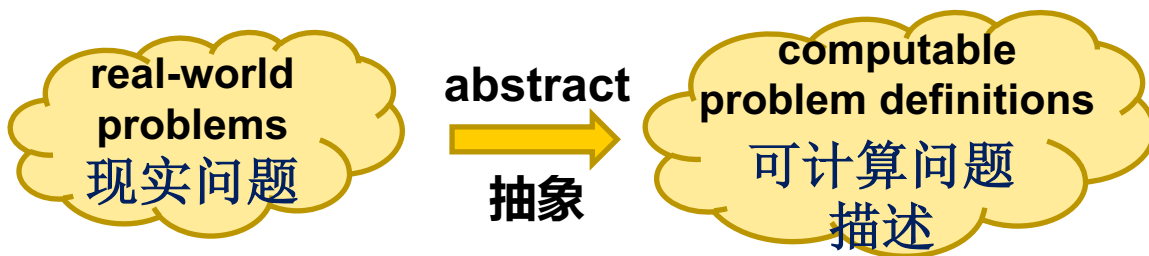


What is the program?

什么是程序？

- We abstract the real-world problems into computable processes and write the programs to solve them.

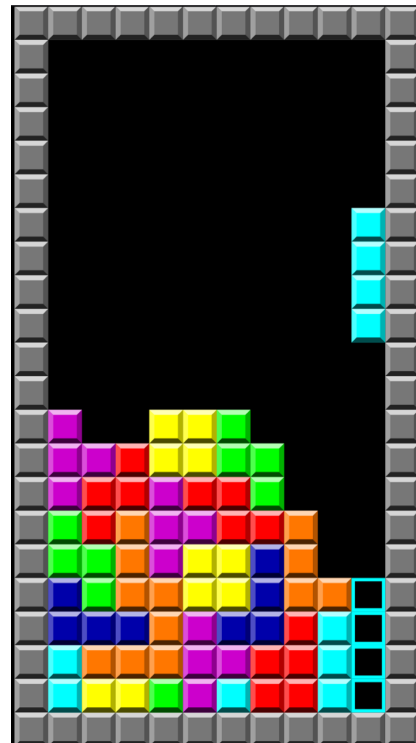
我们将现实世界中的问题抽象为可计算的过程；程序正是这种计算过程的代码实现。





What can programs do? 程序可以做什么？

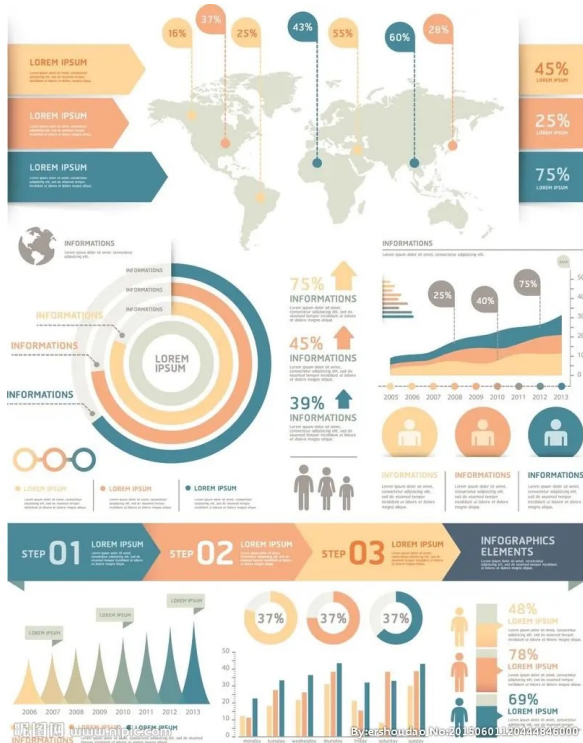
Games (游戏)





What can programs do? 程序可以做什么？

🟡 Data visualization (数据可视化)





What can programs do? 程序可以做什么？

Web & mobile apps (各种网站apps)





What can programs do?

程序可以做什么？

🟡 Robots (机器人)

Quickchat: Hello! How can I help you? 😊

What is Quickchat?

Quickchat is a human-like AI chat bot that provides accurate and instant answers to customer questions.

Can I add it to my website?

Yes! It can be implemented on any website and it doesn't require technical expertise or time-consuming setup. You can also connect your software directly to our API.

Awesome! How can I start??

Simply click the "Get Started" button and follow the next steps.

Do you have any other questions?

What is love?

I'm sorry... I'm here to talk about Quickchat, not about love.



我想订一张去深圳的机票

最近有什么热门课程?

我要查询我的外汇帐户余额

有优惠么?

Hi, 我是乐优机器人客服小优,
请问需要什么帮助呢?

热门课程

我想报名

课程评分

下载课件





What can programs do? 程序可以做什么？

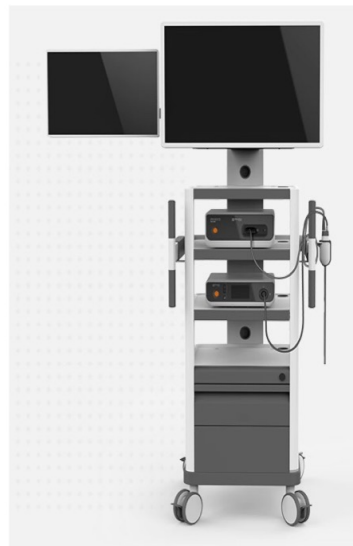
🟡 Robots (机器人)



图迈®Toumai®腔镜手术机器人



鸿鹄®骨科手术机器人



蜻蜓眼®DFVision®三维电子腹腔镜



经皮穿刺手术机器人



What can programs do? 程序可以做什么？

☉ Self-driving cars (自动驾驶)





What can programs do?

程序可以做什么？

- Games (游戏)
- Data visualization (数据可视化)
- Web & mobile apps (各种网站apps)
- Robots (机器人)
- Self-driving cars (自动驾驶)
- More ...