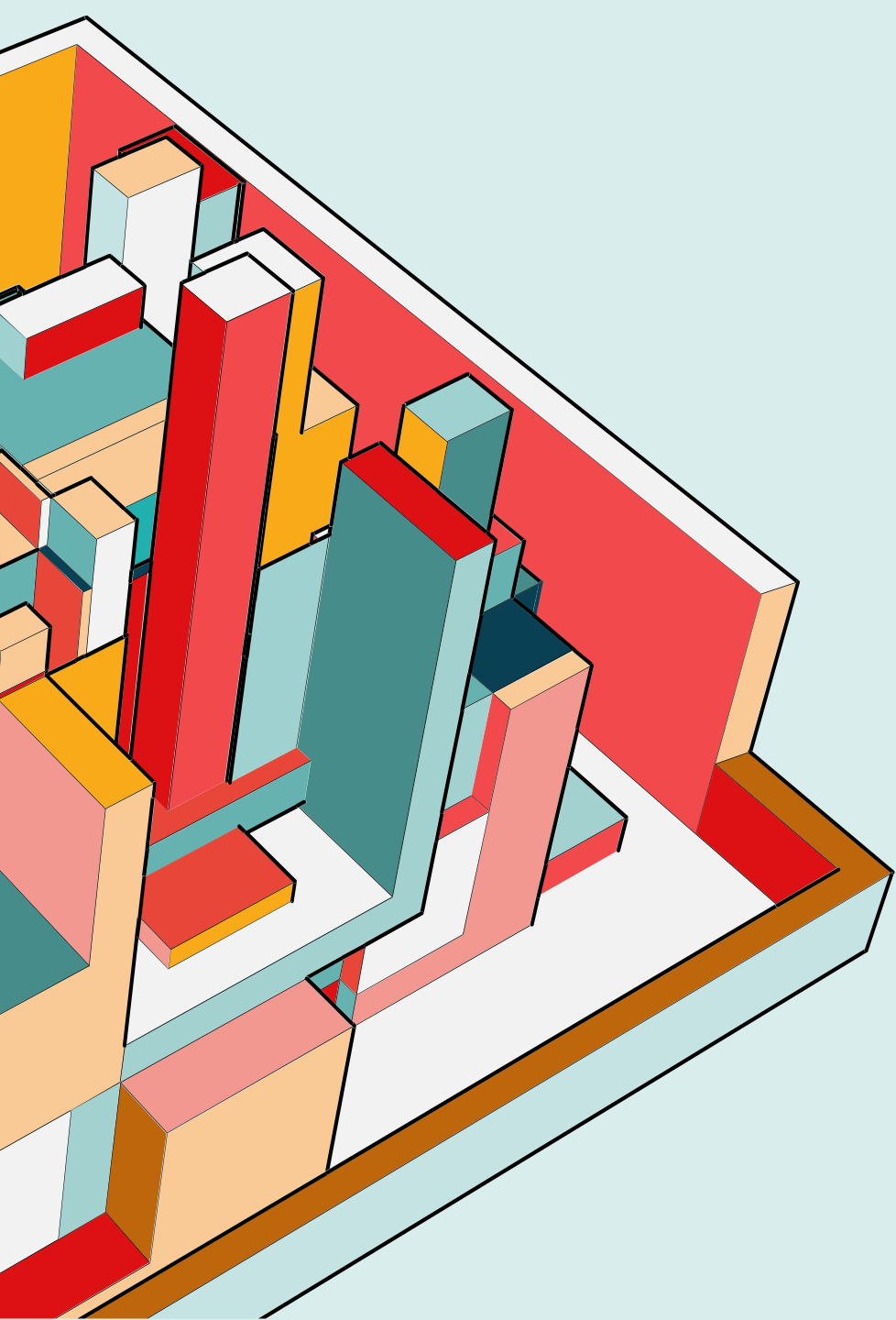


LESSON 1 - PYTHON INTRO



Mikita

- 10 years of production experience (EPAM Systems)
- PIM/DAM area consultant, master of math, author of the youtube channel Python Clinic
- Solution architect, full stack developer, team lead

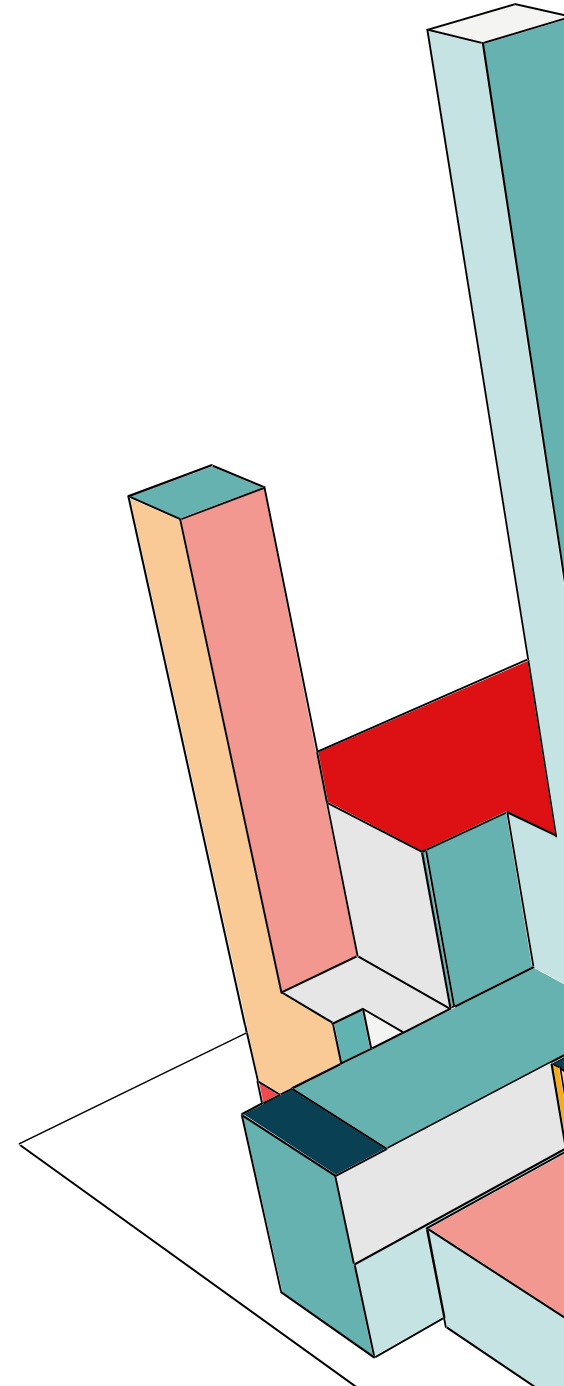


PLAN OF WORK

- practices only (~15), end with a final project
- python + 'basic' algorithms analysis
- working via GitHub

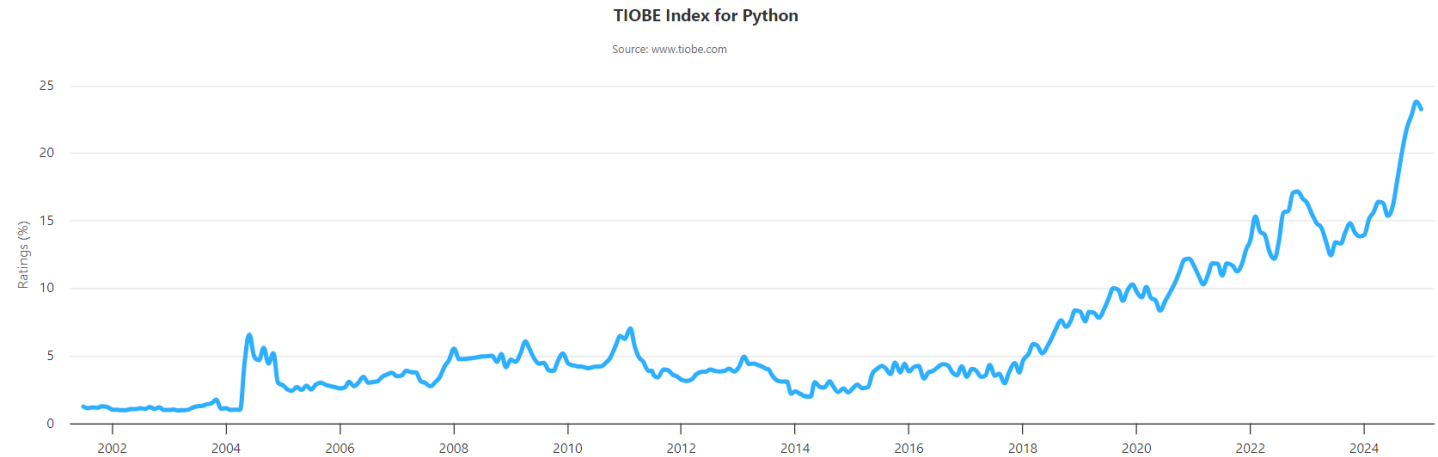
PYTHON

- Python is a powerful tool for programming, which was designed based on principles of minimalism and simplicity
- “Batteries included” – wide toolkit is ready for usage right after installing, and several thousands of additional modules will help extend the base functionality
- Python is open and cross-platform, we can solve any problem with it



STONKS!

- ✦ the lang is truly simple
- ✦ data science and machine learning are getting popular and drag python along
- ✦ it's applicable in a lot of areas

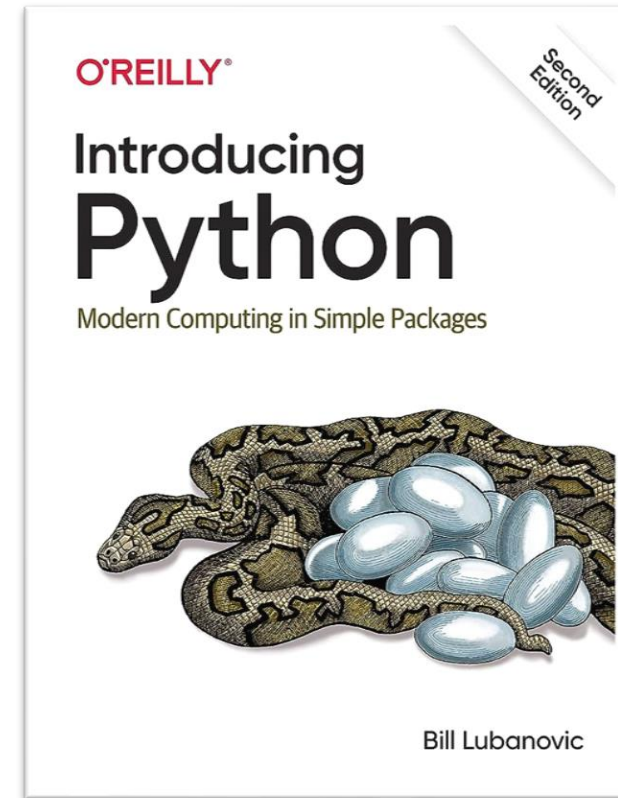
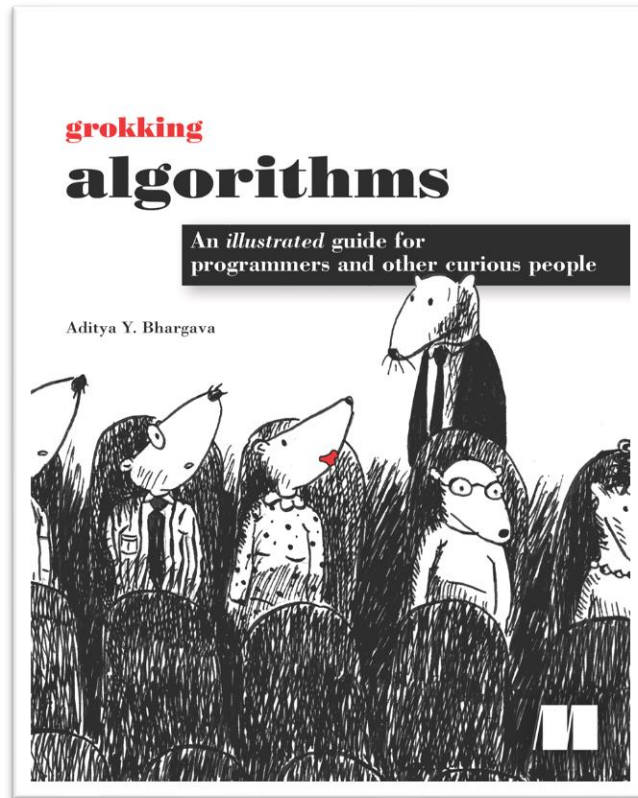


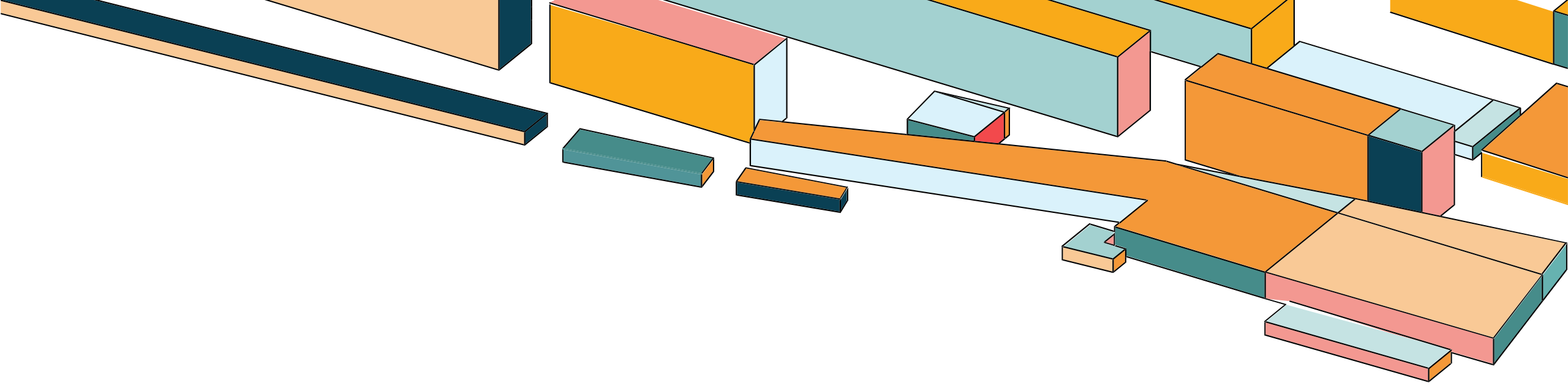
AREAS OF USAGE

- Web Development
- Game Development
- Machine Learning and Artificial Intelligence
- Data Science and Data Visualization
- Computer Vision and Image Recognition
- Desktop GUI
- Web Scraping
- Embedded Applications
- Mobile Development
- Modeling and Simulation
- Automated Testing



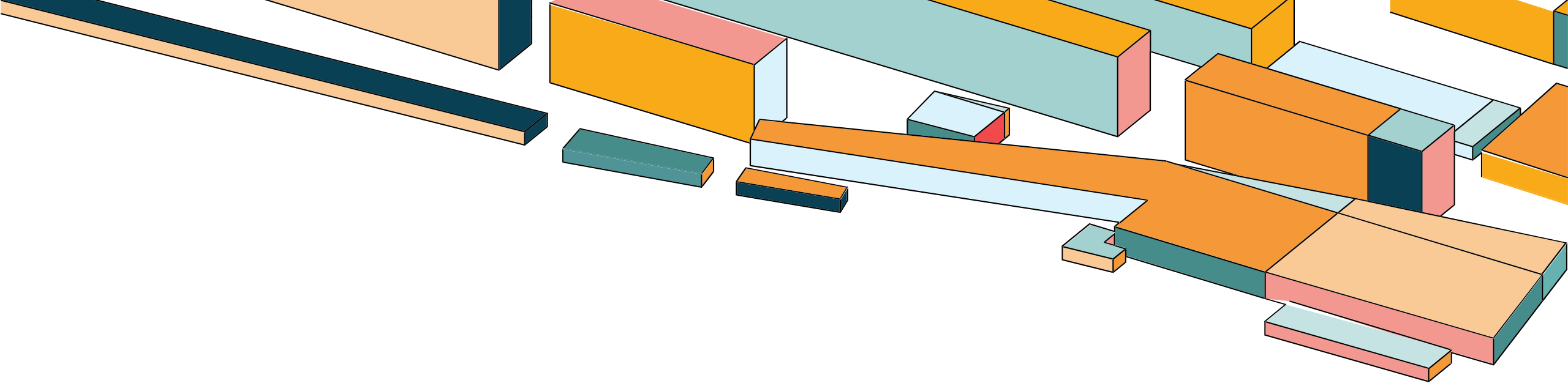
LITERATURE RECOMMENDATIONS





INSTALLATION

[HTTPS://WWW.PYTHON.ORG/DOWNLOADS/](https://www.python.org/downloads/)

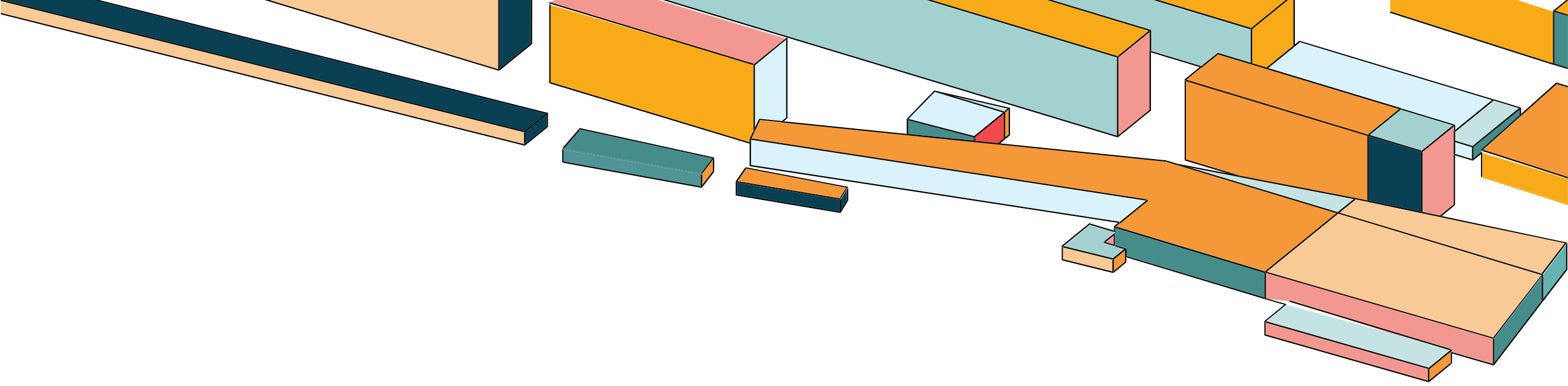


IDE: VSC, PYCHARM

[HTTPS://CODE.VISUALSTUDIO.COM/DOWNLOAD](https://code.visualstudio.com/download)

[HTTPS://WWW.JETBRAINS.COM/PYCHARM/DOWNLOAD/](https://www.jetbrains.com/pycharm/download/)

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=G4TBGZVP1NW](https://www.youtube.com/watch?v=G4TBGZVP1NW)



PIP OR PEP?

[HTTPS://PYPI.ORG/PROJECT/PIP/](https://pypi.org/project/pip/)
[HTTPS://PEPS.PYTHON.ORG/PEP-0008/](https://peps.python.org/pep-0008/)