<u>maxtanhk.com</u>

## Education

Aug 2021 $-$ (Jun 26/Dec 26
(GPA: 3.98/4.00)
Aug 2021 – Jun 202
High-dimensional Statistics (A+),
ction. Aug 2017 – May 202 (GPA: 4.97/5.00
+'s in Math/Physics/Statistics courses.
mior year.
Mathematics of Machine Learning.
2022 - Present
bject-oriented programming (OOP) while ional models.
itting polynomials motivated by sing differential topology.
2021 - Present th an average teaching feedback score of
l Finance for Math/Econs,
l Analysis,
everal Variables (Honors).
2020 - 202
incorporating applied harmonic analysis,
general relativity.
201
archical models in Bayesian statistics by
2019 - 202
for 5 semesters.
ng feedback score of $4.8/5.0$ .
ic Conservation Laws.
arXiv preprint arXiv:2502.08998
amics.
Physical Review D 105 (1), $014508$
cleosynthesis Reaction.    The Astrophysical Journal 894 (2), 134

## Skills/Others

- *Programming Languages*: Python (Proficient Packages: NumPy, cvxopt, SciPy, pandas, PyTorch), R (Proficient), PostgreSQL (Intermediate), LaTeX, Mathematica.
- Languages: English & Mandarin Chinese (Native/Bilingual), Japanese (Intermediate).