

Gaoxiang Luo

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EDUCATION

UNIVERSITY OF MINNESOTA
B.S. in Computer Science
minor in Math
Class of 2022 | Minneapolis, MN
College of Science and Engineering
Cum. GPA: 3.96 / 4.0
Major GPA: 3.96 / 4.0

LINKS

LinkedIn:// GaoxiangLuo
Blog:// Gaoxiang Luo

COURSEWORK

UNDERGRADUATE

Machine Learning
Advanced Machine Learning
Deep Learning
Computer Vision
Intro to AI
AI in Medicine
Software Engineering
Intro to Data Mining
Spatial Data Science
Intro to Operating System
Algorithms and Data Structures

SKILLS

PROGRAMMING

Research:

PyTorch • fastai • wandb • monai

L^AT_EX • Slurm

Software Engineering:

C/C++ • Java

Familiar:

OCaml • MATLAB • Markdown

Assembly • Julia • HTML

OTHERS

Agile Scrum • Waterfall • Doxygen

GTest • UML • Docker

AWARDS

2018-2020	Dean's List
2021	UROP ^a Scholarship x2
2021	CSpotlight

^aUndergraduate Research Opportunities Program

EXPERIENCE

UNIVERSITY OF MINNESOTA | Undergrad Research Assistant
Sep 2020 – Present | Minneapolis, MN

- Co-leading a rib fracture detection project collaborated with hospitals using deep learning under the supervision of Professor Ju Sun. (SUN Group)
- (UROP Spring 2021) Conducting individual research on spatial variability aware neural networks in wetland mapping. (Shekhar's Spatial Computing Group)
- (UROP Summer 2021) Evaluating the Performance of a 2.5D Approach in Kidney Tumors Segmentation with Convolutional Neural Networks. (SUN Group)

TEACHING & TUTORING

UNIVERSITY OF MINNESOTA | Undergrad Teaching Assistant
August 2020 – Present | Minneapolis, MN

- Had a total of 122 Zoom visits during office hours in Fall 2020
- Have a ELP score 1 for English proficiency in tutoring.
- Assist with discussion board, office hours, and gradings in CSci 2011 Discrete Structures of Computer Science.
- Grade 385 students' homework and exams in Spring 2021

UNIVERSITY OF MINNESOTA LIBRARIES | Peer Tutor
August 2020 – Present | Minneapolis, MN

- Tutor over 20 courses across Computer Science and Math in a group format during drop-in sessions.
- Support the student in establishing challenging, yet attainable goals.
- Work with Multicultural Center for Academic Excellence (MCAE) to provide academic counseling.

VOLUNTEER

MINNESOTA UNDERGRADUATE RESEARCH & ACADEMIC JOURNAL (MURAJ) | Reviewer

October 2020 – Present | Minneapolis, MN

- Math and Computer Science Reviewer

INTERNATIONAL CONFERENCE OF LEARNING REPRESENTATION (ICLR 2021) | Volunteer

May 2nd-8th, 2021 | Virtual

PUBLICATION & PRESENTATION

- [1] G Luo. *Application of Artificial Intelligence to Help Fight COVID-19* In Minnesota Undergraduate Research & Academic Journal (MURAJ), Vol.4 No.3, 2021
- [2] G Luo. *Wetland Mapping Using Spatial Variability Aware Neural Networks (SVANN)*. In 2021 UMN Undergrad Research Symposium.