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: 3.95 / 4.0

LINKS

LinkedIn:// GaoxiangLuo
Blog:// Gaoxiang Luo

COURSEWORK

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

SKILLS

PROGRAMMING
Research:
PyTorch • fastai • wandb • monai
LaTeX • 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

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[a]Undergraduate Research Oppotunities Program

EXPERIENCE

UNIVERSITY OF MINNESOTA | Lab Assistant
Jan 2020 – Aug 2020 | Minneapolis, MN
- Work at Mu2e Tracker Panel Facility in Physics Department
- Operate resistance test, leak test, laser cut and silver epoxy installment on Mu2e straws.
- Analyze GUI problems, provide hotfixes.

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)

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.

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) | Reviwer
Octorber 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.