VASILIS ETHAN SARRIS

vas82@pitt.edu – sarrisv.github.io

SKILLS
- Proficient with: **Java**, **Python**, **C/C++**, **Rust**
- Experience with: **Scala**, **Bash**, **SQL / NoSQL**, Web Dev (**JS / Flask / PHP**)

PUBLICATIONS

V. Sarris, P. Chrysanthis, & C. Costa, "Recommending the Least Congested Indoor-Outdoor Paths without Ignoring Time", in Proc. of the 18th International Symposium on Spatial and Temporal Data (SSTD'23)

V. Sarris, C. Costa, & P. Chrysanthis, "ASTRO-K: Finding Top-k Sufficiently Distinct Indoor-Outdoor Paths", in Proc. of the 2nd IEEE Intl. Workshop on Algorithms for Indoor Architectures and Systems (ALIAS'22)

EXPERIENCE

Advanced Data Management Technologies Lab
Research Assistant
Dec 2020 - Present
Pittsburgh, PA

- Extended work in Indoor-Outdoor Navigation by **creating** and **implementing** multiple novel path finding algorithms.
- Wrote and **published** multiple first-author papers on these novel algorithms.

Kovashka Lab
Research Assistant
Jan 2021 - April 2021
Pittsburgh, PA

- Explored the effects of pre-processing the input of object recognition models (ResNet, AlexNet, etc.) in such a way that was more akin to the visual cortex.
- Preformed domain generalization benchmarks on these models using the standard and modified inputs.

Learning Imaging & Family Experience Lab
Research Assistant
Apr 2019 — Dec 2020
Pittsburgh, PA

- Developed a robust, user-friendly, graph-based fMRI analysis pipeline for the Lab's PhD Students.
- Developed multiple web-based tasks for large-scale Psychology studies.

東澳國民小 (Dong'ao Elementary)
English Teacher
Jul 2018 — Jul 2018
Nan'ao Township, Yilan County, Taiwan

- Taught **English** to 100+ elementary school children grades 1st-5th.

EDUCATION

University of Pittsburgh
Pittsburgh, PA

PhD – Computer Science (3.9 GPA) — Aug 2023 — Present
MS – Computer Science (3.9 GPA) — Aug 2021 — Apr 2023
BS – Computer Science (3.5 GPA) — Jan 2019 — Apr 2022

COURSEWORK

- CS (Undergrad): **Data Structures**, **Algorithms**, **Systems Software**, **Operating Systems**, **Computer Vision**, **Practical AI**, **Web Applications**, **Compiler Design**, **Theory of Computation**
- CS (Grad): **WANs**, **Compiler Design**, **Data Mining**, **AI**, **HCI**, **IoT**, **Computer Architecture**
- MATH: **Graph Theory**, **Linear Algebra**, **Calculus 1/2**, **Applied Statistics**