VASILIS ETHAN SARRIS

vas82@pitt.edu – +1 (917) 408-3307 – Pittsburgh, PA – sarrisv.github.io

---

EDUCATION

University of Pittsburgh
Jan 2019 —Apr 2022

B.S. in Computer Science - 3.3 GPA
Pittsburgh, PA

EXPERIENCE

Learning Imaging & Family Experience Lab
Apr 2019 —Present

Research Assistant
Pittsburgh, PA

- Developed robust fMRI Graph Theory-based data analysis pipeline in **Python** using packages such as **NetworkX** and **NiPype**
- Conducted feasibility reports on the use of machine learning techniques, technologies, and frameworks such as **hBayesDM** and **easyml** for the purpose of participant performance analysis
- Developed web-based tasks for large-scale studies using **JavaScript** and libraries like **jspsych**

東澳國民小 (Dong'ao Elementary)
Jul 2018 —Jul 2018

English Teacher
Nan'ao Township, Yilan County, Taiwan

- Spoke **Mandarin** and taught **English** to elementary school children grades 1st-5th
- Planned and performed American cultural experiences for the school children

---

SKILLS

- Proficient with: **Java**, **Python**, **C**, **Neo4j** (Certified Professional)
- Experience with: **Bash/Batch Scripting**, **C++**, **Rust**, Web Development (**JS / CSS / HTML**)
- Additional Background in: **Graph Theory**, **Network Analysis**
- Extensive experience with data wrangling/analysis libraries: **Numpy**, **NetworkX**, **Pandas**, etc.

PROJECTS

FindSimilarArxivAuthors
Python, Scikit-learn

Uses **Scikit-learn's text feature extraction** to find researchers with similar interests based on the abstracts of their publish papers

InteractiveMST
Java, Algorithm Implementation

An interactive **Java Applet** which visualizes of a graph's minimum spanning tree found using **Prim's Algorithm**

RECOGNITION

Air Force Association Grant
May 2018

Received **$1000 grant** from the AFA to continue and improve the CyberPatriot program at George Mason High School **based on my team's performance** in the 2018 CyberPatriot competition