

# VASILIS ETHAN SARRIS

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## EDUCATION

**University of Pittsburgh**  
B.S. in Computer Science - 3.3 GPA

Jan 2019 — Apr 2022  
Pittsburgh, PA

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## EXPERIENCE

### Learning Imaging & Family Experience Lab

Research Assistant

Apr 2019 — Present  
Pittsburgh, PA

- Developed robust fMRI Graph Theory-based data analysis pipeline in **Python** using packages such as **NetworkX** and **NiPy**
- Conducted feasibility reports on the use of machine learning techniques, technologies, and frameworks such as **hBayesDM** and **easym** 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)

English Teacher

Jul 2018 — Jul 2018  
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

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## 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.

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## PROJECTS

### FindSimilarArxivAuthors

*Python, Scikit-learn*

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

### InteractiveMST

*Java, Algorithm Implementation*

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

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## 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