

John Viet P. Nguyen

jnguye30@syr.edu | +1 (909) 805 4226 | linkedin.com/in/john-nguyen1870 | kappakant.github.io

Objective

Senior Computer Science student at Syracuse University with an academic background in philosophical logic and a research background in datamining, fake news detection, and model-checking. Interests in formal methods, automated fact-checking, and explainable AI.

Education

Syracuse University, B.S. in Computer Science

Aug 2022 – May 2026

- GPA: 3.7/4.0
- Renée Crown University Honors Program
- Minors in *Logic*, and *Philosophy*
- **Major Coursework:** Social Media & Datamining, Data Science, Automata & Computability, Programming Language Theory, Probability & Statistics
- **Minor Coursework:** Philosophy of Language, Language & Logic, Modal Logic

Research

Research Intern, Software Design and Analysis Lab (SoDA) – Carnegie Mellon

May 2025 – Aug 2025

Compositional Verification of Distributed Protocols with TLA⁺ (PI: Eunsuk Kang)

- NSF-funded Research Experiences for Undergraduates in Software Engineering (REUSE) Program

Research Assistant, DATA Lab – Syracuse University

Jan 2024 – Present

- Researched current fake news detection literature to identify and reproduce SOTA models for experimental baseline comparisons with newly proposed fake news detection model
- Managed lab experiments and machine learning model training on OrangeGrid HTC cluster through HTCondor for proposed fake news detection model and other SOTA models
- Implemented proposed information-theoretic measurement on 100k+ news articles
- Organized and cleaned massive datasets with Pandas and NLTK to facilitate model training

Publications

Is Less Really More? Fake News Detection with Limited Information

SIGKDD Explorations 2025

Zhaoyang Cao, *John Nguyen*, Reza Zafarani

In Press

Theory-driven Fake News Detection

TBD

In Progress

Technologies

Languages: Python, R, Java, TLA⁺, Haskell, C

Technologies: Pandas, NumPy, HTCondor, NLTK, PyTorch, Matplotlib

Awards

1870 Scholarship: Full-tuition merit scholarship for 5 years and admission into Renée Crown University Honors

James A. Capolongo Engineering Scholarship: Merit scholarship for engineering students studying abroad

Invest in SUccess: Renewable merit scholarship for freshmen with a GPA ≥ 3.75 in their first semester

Additional Information

- Category Theory Directed Reading Program
- United States/Philippines Dual Citizen

Jan 2025 - May 2025

Non-Academic Experience

Financial Aid Special Worker, Office of Financial Aid & Scholarships - Syracuse, NY

Aug 2022 – May 2024

- Managed HEOP and SSS (income-based financial aid programs) applications to Syracuse in close collaboration with the HEOP/SSS counselor
- In coordination with the Office of Admissions, identified and recruited students eligible for HEOP or SSS
- Reviewed all financial documents and letters from applicants to determine satisfaction of federal and state requirements
- Advised walk-in students and email inquiries on financial aid or restrictions

Skills Win Coach, Skills Win! - Syracuse, NY

Jan 2024 – May 2024

- In collaboration with Public Service Learning Academy at Fowler, taught weekly Skills Win class to senior high school students
- Trained students on non-academic skills such as touch-typing, MS Office, presentational speaking
- Mentored students on scholarships and financial aid programs available for Syracuse and other universities