VIYAN POONAMALLEE

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SUMMARY
Philosopher of Technology; 2nd year MA Philosophy student at the New School; Completed Tandon Computer Science Bridge Program with distinction; Experienced Computer Science tutor. Highly capable in research, programming, critical analysis, and articulation of ideas. Demonstrated capabilities in leadership, teamwork, and communication.

EDUCATION
- MA, Philosophy, The New School for Social Science Research, The New School: Expected May 2025. Current GPA: 3.96
- The NYU Tandon Bridge Program, Preparatory Course for Graduate Studies in Computing; Certificate of Completion with Distinction, Tandon School of Engineering, New York University; Nov 2024.
- BA, Philosophy with a minor in Coding as Liberal Art, Eugene Lang College of Liberal Arts, The New School; 2020-2023; GPA 3.98.

HONORS AND AWARDS
Oxford Digital Humanities Conference Second Prize Best Paper (Summer 2023); Dean's Honor Symposium (Spring 2022); Lang Academic Fellow (Spring 2022); Lang Advanced Fellow (Spring 2023); Dean's List; Lang Summer Workshop (Summer 2021); YouthBridge-NY Leadership Fellowship (2018-2020).

PUBLICATIONS, PATENTS, AND PRESENTATIONS
- Poonamallee, V. (forthcoming). *Technological Instrumentalism in Relation to Socio-Tech Innovation*, In Scillitoe et al. (Eds.) Research Handbook in Socio-Tech Entrepreneurship, Edward Elgar Publishing.
- Poonamllee, V.(forthcoming). AI is Not in the Clouds: A Material Ontology for the Study of AI, Illinois State University AI & the Humanities Symposium.
- Poonamallee, V. (2023). Why Computer Scientists Should Read Wittgenstein, Oxford Digital Humanities Summer School Poster Session.
- Poonamallee, V. (2022). Pandemic Loneliness, Eugene Lang Dean's Honor Symposium.
- Poonamallee, V. (under review). Science Fiction as a means of Philosophical Inquiry, Rome: *POI Review*.
- Credited Patent Inventor, "Predictive Prognosis Based on Multimodal Analysis" (Patent No. 11,263,749) for In-Med Prognostics Inc.

RESEARCH SKILLS
PHILOSOPHY TRAINING: Philosophy of Technology (Turing, Simondon, Stiegler), Ancient Philosophy (Plato, Plotinus), Ordinary Language Philosophy (Wittgenstein, Cavell)
DATA ANALYSIS: Statistics with SPSS, Natural Language Processing, Machine Learning for Statistics

PROGRAMMING SKILLS
GENERAL: Asymptotic Analysis; Recursion; Linked Lists; BSTs; Basic Knowledge of Operating Systems; Basic Knowledge of Networking
PYTHON: General Proficiency; Mathematics: Matrices and Arrays – Numpy, Data Cleaning – Pandas, Data Exploration – MatPlotLib, Machine Learning – Scikit-Learn, Deep Learning – PyTorch, Dynamic Web Servers – Flask
JAVASCRIPT: General Proficiency; TypeScript; Deno; Graphics + Interactive Experience – p5.js*;* Backend Routing – Deno Oak
C++: General Proficiency; OOP; Polymorphism
WEB PROGRAMMING: Hosting – AWS*;* Architecture – HTML*;* Styling – CSS
OTHER: SPSS; Adobe Photoshop; Blender; Excel; *C++*; Arduino; Git

OTHER CERTIFICATIONS
CODING: HackerRank Gold Badge, Python; Web Development HTML/CSS, Udemy;
OTHER: Design Kit: Human-centered Design Thinking, Acumen Academy;

PROGRAMMING PROJECTS
PYTHON: Collage Generator; *TF NN NLP Text Generation Bot*; Waste-Tracker Application + Website; *Radiohead Lyric Generator*; *Web-Scrape Visualization*; *Twitter + News Paper Web-Scrape*; *Oceanography Data Exploration + Regression*;
JAVASCRIPT: Eliza – Machine Learning Capable; AFINN Sentiment Analysis Processor; Essay on Materiality Of Digitality; N-Body Problem.
OTHER: Multiple Website Designs.

EMPLOYMENT HISTORY
Sept 2022- Present: UNIVERSITY LEARNING CENTER, THE NEW SCHOOL
Programming Tutor: Personal sessions with students that need help learning coding fundamentals or fixing bugs in project, web development, or help with building applications in Python.
Spring 2022 & Spring 2023: EUGENE LANG COLLEGE OF LIBERAL ARTS, THE NEW SCHOOL
Teaching Assistant: Code as a Liberal Art (with Prof. Rory Solomon).
Jan 2019 – Feb 2021: IN-MED PROGNOSTICS,
Oct 2020 – Feb 2021, Research Analyst: Research EEG work in relation to TensorFlow, neural networks, and AI in Python (contributed to the company's first patent and a patent holder); Research on EEG in relation to innovations in technology for the interpreting signal data; Research on new technologies in the observation and identification of neurodegenerative disorders.
Jan 2019- Sep 2020, Programming Intern: Development of image processing algorithms (MRI & CT) using PyTorch and researching TBI (Traumatic Brain Injury) and Stroke.
Sept 2020 – May 2021, BRIGHTSPOT STRATEGY
Intern: Served on the Council of Student Advisors (CSA); worked towards research, outreach, and administrative strategy for universities; created and presented possible solutions to the problems posed by online schooling for student organizations.

PROFESSIONAL AND ORGANIZATIONAL LEADERSHIIP
PHILOSOPHY READING GROUPS, **2024, 2025,** Organizer and Lecturer; Simondon & Steigler.
*CLUB, THE NEW SCHOOL***,** Founding President, 2020-2023.
NYPL TEEN PHILOSOPHY CLUB, Founder, 2018-2020.