ARTEMIS PANAGOPOULOU

@artemisp@seas.upenn.edu ☎(267)-752-2378 ⚭artemisp.github.io/ **in**linkedin.com/in/apanagop
🎓scholar.google.com/apanagopoulou   ⭘github.com/artemisp

EDUCATION

University of Pennsylvania, Philadelphia, PA

Doctor of Philosophy, Computer and Information Science   *Aug, 2021 - May, 2025*
Research Interests: Natural Language Processing, Computer Vision
Advisors: Chris Calllison-Burch, Mark Yatskar   GPA: 3.96/4.

Master of Science in Engineering, Computer and Information Science *Jan, 2018 - Aug, 2020*
Thesis Title: *"Metaphor and Entailment: Looking at Metaphors Through the Lense of Textual Entailment"*
Advisor: Mitch Marcus   GPA: 3.77/4.

Dual Degree in Artificial Intelligence   *Aug, 2015 - Aug, 2020*
Bachelor of Applied Science (BAS), Computer and Cognitive Science.
Thesis Title: *"Best-First-Model-Merge: From Theory to Implementation and Application"*
Advisor: Mitch Marcus
Bachelors of Arts (BA) Honors, Cognitive Science
Thesis Title : *"Optical Flow Estimation from Event Based Cameras Using Deep Spiking Neural Networks"*
Advisor: Kostas Daniilidis
Bachelors of Arts (BA) Honors, Philosophy
Thesis Title: *"On the suitability of Generative Difference Making for addressing challenges in Artificial Intelligence and Robotics."*
Advisor: Lisa Miracchi
Minor in Mathematics   GPA: 3.59/4.

RESEARCH EXPERIENCE

Research Assistant   *May, 2019 - May, 2020*
General Robotics, Automation, and Sensing (GRASP) Lab, University of Pennsylvania

- Worked on estimating optical flow from event based cameras (supervised and unsupervised) using Spiking Neural Networks. (Supervisor: Prof. Kostas Daniilidis)

Research Assistant   *May, 2019 - Aug, 2019*
Kod*Lab, University of Pennsylvania

- Developed a simulation for physically parameterized soft bellow-shaped robots with multiple degrees of freedom. (Supervisor: Prof. Daniel Koditschek)

Research Assistant   *May, 2018 - Oct, 2018*
Computer Science Department, University of Pennsylvania

- Applied K-reversible inference on the synthesis of Turkish morphology. (Supervisor: Prof. Mitch Marcus)

INDUSTRY EXPERIENCE

Co-founder and Software Developer   *Aug 2020 - Aug 2021*
Aarogya LLC, Philadelphia, US and Bangalore, India

- Co-founded aarogya.life, an award winning health-tech social enterprise creating a platform to enable low-income patients to access essential medicines while preventing wastage of medicines lying unused in warehouses.

- Received the President's Engagement Prize which is competitively granted to academically excellent and civically engaged Penn seniors to design and undertake fully-funded engagement projects during the first year post grad.

Software Engineering Intern   *Jan - Aug, 2018*
I-Spirit, Athens, Greece

- Provided technical support to clients, hosted training lessons for new clients

- Updated the product's UI (JavaFX application) to better integrate with Windows 10 design

- Contacted clients to collect user requirements to implement in the next release

AWARDS AND FUNDING

Alexa Taskbot Competition Finalist	*February, 2022*
President's Engagement Prize	*May, 2020*
Dean's List	*Aug, 2017 - May, 2020*
CIS Faculty Appreciation Award	*March, 2019*

TEACHING EXPERIENCE

Instructor   *Sept, 2022 - Dec, 2022*
Prison Teaching Initiative at Princeton University, Southwoods State Prison
Instructors: *Artemis Panagopoulou, Joe Abatte, Uthsav Chitra*

Teaching Assistant   *Aug, 2022 - Dec, 2022*
Course: *CIS 530: Natural Language Processing*
Instructor: *Prof. Mark Yatskar*

Elementary School Instructor   *Aug, 2021 - May, 2022*
Python Coding Curriculum at Kohelet Yeshiva School (4-5 grade)
Instructor: *Artemis Panagopoulou*

Teaching Assistant   *Jan, 2022 - May, 2022*
Course: *CIS 700: Interactive Fiction and Text Generation*
Instructor: *Prof. Chris Callison-Burch, Dr. Lara Martin*

Teaching Assistant   *Aug, 2021 - Dec, 2021*
Course: *CIS 521: Introduction to Artificial Intelligence*
Instructor: *Prof. Chris Callison-Burch*

Head Teaching Assistant   *Aug, 2018 - May, 2019*
Course: *MCIT 592: Mathematical Foundations of Computer Science*
Instructor: *Prof. Val Tannen*

Teaching Assistant   *Jan, 2018 - May, 2018*
Course: *CIS 262: Automata, Computability, and Complexity*
Instructor: *Dr. Nima Roohi*

LEADERSHIP AND ACTIVITIES

Alexa Taskbot Competition [Finalist]   *Aug 2021 - May 2022*

- Co-Lead University of Pennsylvania's Team for the Alexa Taskbot Challenge. We implemented a live Alexa Skill that guides users through tasks and recipes.

- Gained experience with Amazon Web Services (AWS) and Alexa Skills Kit (ASK).

Mind, Intelligence, Research, and Analysis (MIRA) Group   *May 2018 - Aug 2019*

- Graduate philosophy research and training group focused on issues in philosophy of mind and language, cognitive science, and epistemology led by Professor Miracchi.

Women in Computer Science (WiCS)   *Jan 2019 - May 2019*

- Acted as a mentor to freshman female computer science majors.

Ivy League Undergraduate Research Symposium   *Jan 2018 - Aug 2018*

- Led an end-to-end application development project aimed to automate networking and scheduling for the symposium.

- Managed team of 3 developers with bi-weekly Agile sprints to build the Android application.

- Designed and built core backend, UI, and testing infrastructure.

PUBLICATIONS

- *Panagopoulou, Artemis, et al. "QuakerBot: A household dialog system powered by large language models", Alexa Prize TaskBot Challenge Proceedings (2022)*

- *Kenneth Chaney, Artemis Panagopoulou, Chankyu Lee, Kaushik Roy, and Kostas Daniilidis. "Self-Supervised Optical Flow with Spiking Neural Networks and Event Based Cameras." (IROS 2021)*

- *Yue Yang, Artemis Panagopoulou, Qing Lyu, Li Zhang, Mark Yatskar, Chris Callison-Burch. "Visual Goal-Step Inference using wikiHow." EMNLP 2021 (Oral).*