

# Christos Karaneen (Karageorgiou Kaneen)

Neuroscience & AI Researcher, Software Engineer

 [github.com/ckaraneen](https://github.com/ckaraneen)




 [linkedin.com/in/ckaraneen](https://www.linkedin.com/in/ckaraneen)

 [x.com/ckaraneen](https://x.com/ckaraneen)

 [ckaraneen@gmail.com](mailto:ckaraneen@gmail.com)

(email me for )








## EDUCATION

-  **New York University** New York City, USA  
Ph.D., Cognitive Science, Department of Psychology Sept. 2025 - (ongoing)
-  **University of Crete** Heraklion, GR  
M.Sc., Neuroscience, School of Medicine Oct. 2021 - Feb. 2024
-  **Technical University of Crete** Chania, GR  
M.Eng., School of Electrical & Computer Engineering Sept. 2014 - Dec. 2019

## RESEARCH EXPERIENCE









-  **Chklovskii Lab, [FLATIRON] Flatiron Institute** New York City, USA  
Neuroscience & AI Researcher (*Summer Research Intern*) May 2025 - Aug. 2025
-  **Banerjee Lab, CSH Cold Spring Harbor Laboratory** Cold Spring Harbor, USA  
Neuroscience & AI Researcher (*NeuroAI Research Intern*) June 2024 - Nov. 2024  
Explored how learned behavior evolves into instinct. See [poster](#).
-  **Kording Lab, University of Pennsylvania** Philadelphia, USA  
Neuroscience & AI Researcher (*Visiting Scholar*) Dec. 2022 - March 2023  
Investigated how meta-learning synaptic plasticity rules can best approximate gradient descent.  
See [poster](#) and [thesis](#).
-  **Poirazi Lab, FORTH IMBB-FoRTH** Heraklion, GR  
Neuroscience & AI Researcher (*Intern, M.Sc. Fellow*) July 2022 - April 2024
  - Examined the computational properties of dendrites. See [nobrianer](#).
  - Continued the work I started at the [Kording Lab](#). See [poster](#) and [thesis](#).

## INDUSTRY WORK EXPERIENCE

-  **mist.io** (acquired by  Dell) Remote  
Software & Infrastructure Engineer April 2021 - July 2022
  - Platform features and issues:** Developed features and addressed issues having to do with machines, stacks, networks, scripts and other resources managed by the platform within the *api* and *tests* submodules of both community and enterprise editions. See [my contributions on mist-ce](#).
  - Third-party company tests:** Outlined and implemented the API and functional tests of a distributed micro-services client project for  JUNIPER NETWORKS.
-  **Greek Research & Technology Network** Remote  
Software Engineer & Maintainer May 2020 - April 2021  
Contributed to reducing Greece's public sector bureaucracy: built, alongside one lead developer, and maintained the v1 of  mitos: the Greek National Registry of Public Services (Εθνικό Μητρώο Διαδικασιών). See [diavlos](#).
-  **Myrmex** (acquired by  Ocado) Athens, GR  
Software Engineer Sept. 2019 - March 2020
  - Power-monitoring application:** Created a GUI that displays in real time the battery state of each robot.
  - gRPC clients:** Ported gRPC client proxies for the APIs of two key system components.
  - Bug-reporting tool:** Implemented a bug-reporting tool that automatically gathers diagnostics whenever a bug or issue arises, decreasing the time required to collect data from more than 20 min. down to 15 sec.


## ENGINEERING INTERNSHIP EXPERIENCE

---

-  **Larkum Lab, Humboldt University of Berlin** Remote  
*Software & Hardware Engineer* Jan. 2021 - Aug. 2021  
Implemented a prototype of an experimental neuroscience protocol for the Larkum and Kremkow labs. This work was based on [my previous work](#). See  [airtrack](#).
- **Technical University of Crete** Chania, GR  
*Network Administrator* Nov. 2018 - June 2019
  - Learned to do system and network administration tasks (secured network printers, etc.)
  - Read the  [UNIX and Linux System Administration Handbook](#).
-  **Oracle** Athens, GR  
*Database Administrator* Oct. 2018 - Nov. 2018
  - Familiarized myself with Oracle DB 12c internals by doing day-to-day DBA tasks.
  - Brushed up my SQL skills.
-  **Google Summer of Code, GFOSS Open Technologies Alliance** Athens, GR  
*Software Engineer* Summer 2018  
Implemented a tool that extracts Responsibilities assigned to Public Administration Organizations from Greece's Official Government Gazette documents. See [ggx](#).
-  **Open Lab Athens** Athens, GR  
*Software Engineer* July 2017 - Sept. 2017
  - Debugged the beta version of the  [Iris SMS](#) Android app.
  - Made a GUI for getting stats and syncing form data from a smart pen ( [Neo N2](#)).

## VOLUNTEER EXPERIENCE

---

- **Poirazi Lab** Remote  
*Software Engineer* July 2020 - May 2021  
Volunteered on  [PyBpod](#), a programming interface for the Bpod: a system for precise measurement of small animal behavior.
  - Implemented emulator functionality for the Bpod device. See my contributions to the [pybpod submodules](#).
  - Created v1 of the 2AFC experimental neuroscience protocol. See [mouse2afc](#).

## SUPERVISOR EXPERIENCE

---

- [Henry J. Flynn](#) @ **Poirazi Lab**, April – Aug. 2023:  [Drexel University](#) student who under my supervision built upon my [volunteer contribution](#) and improved the [Mouse2AFC](#) protocol.






## AWARDS, FELLOWSHIPS & FUNDING

---

- 2023 – 2024
  - [BRAIN NeuroAI Early-Career Scholar](#), NIH/DARPA **honorarium** (Nov. 12 – 13, 2024): \$400
  - [CSHL NeuroAI Program](#) **funding** (June – Nov. 2024, [Banerjee Lab](#)): \$40000
  - [Erasmus+/IKY](#) **funding** (June – Aug. 2024, [CSHL travel & stay](#)): 3600€
  - [IMBB-FoRTH](#) MSc **fellowships** (July 2023 – April 2024, [Poirazi Lab](#)): 5000€
- 2022 – 2023
  - [UPenn Visiting Scholar](#) **funding** (Dec. 2022 – March 2023, [Kording Lab](#)) : \$6000
  - [Erasmus+/IKY](#) **funding** (Dec. 2022 – March 2023, [UPenn travel & stay](#)): 4500€

## CONFERENCES, WORKSHOPS & SUMMER SCHOOLS

---

-  *BRAIN NeuroAI Workshop 2024* @  Bethesda, Maryland, USA ([poster](#))
-  *NAISys2024: From Neuroscience to Artificial Intelligence 2024* @  Cold Spring Harbor Laboratory, New York, USA
- *MLSS2024: Machine Learning Summer School 2024* @  OIST, Okinawa, Japan ([poster](#))

## PUBLICATIONS

---

1. Christos Karageorgiou Kaneen, “*Meta-learning synaptic plasticity rules to approximate gradient descent*”, M.Sc. Thesis, School of Medicine, University of Crete, Heraklion, Greece, 2024 (<https://elocus.lib.uoc.gr/dlib/0/c/8/metadata-dlib-1713262345-844945-28206.tkl>)
2. Christos Karageorgiou Kaneen, “*Methodology for designing GDPR compliant IoT applications*”, M.Eng. Thesis, School of Electrical and Computer Engineering, Technical University of Crete, Chania, Greece, 2019 (<https://doi.org/10.26233/heallink.tuc.84151>)
3. Christos Karageorgiou Kaneen, E.G.M. Petrakis, “*Towards evaluating GDPR compliance in IoT applications*”, *Procedia Computer Science*, Volume 176, 2020, Pages 2989-2998 (<https://doi.org/10.1016/j.procs.2020.09.204>)