

**Yanis TAZI** • French citizen • 25 years old

• yat4003@med.cornell.edu • +16462045433 • New-York,NY,USA

<https://www.linkedin.com/in/yanistazi/>

• <https://github.com/yanistazi>

• <https://www.mskcc.org/research-areas/labs/members/yanis-tazi>

## EDUCATION

---

- 2020 – **Tri-I PhD Program: Computational Biology, Medicine and Neuroscience**  
**Cornell University-Weill Cornell –Memorial Sloan Kettering Cancer Center –Rockefeller University – New York (USA)**
- 2020 – **New York University (Graduate School of Neural Science & Computer Science – Visiting Student) – New York (USA)**
- Relevant courses: i) Computational neuroscience (NEURL GA-3042) , ii) Deep Learning Systems ( CSCI-GA.3033.093)
- 2020 – 2020 **Columbia University in the City of New York (Graduate Engineering – PhD – Transfer to Tri-I) – New York (USA)**
- Statistical Modelling–Machine Learning–Deep Learning (STATGR6102 – PhD Students only) **GPA: 4.0/4.0**
  - Doctoral Research: Physics, Computer Vision
- 2015 – 2019 **Mines ParisTech-PSL Research University (#1 French Artificial Intelligence School) – Paris (France)**
- Bachelor + Master's degree in Data Science & Health Innovation **GPA: 3.95/4.0**
  - Relevant courses: i) Advanced Mathematics, ii) Data Science iii) Computer Science, iv)Health and Biology v)A.I vi)Deep Learning vii) Electronics viii) Economics ix)Advanced Physics
- 2016 – 2017 **National University of Singapore – Singapore (Singapore)**
- Exchange Program, Master in Probability and Statistics **GPA: 4.0/4.0**
  - Relevant courses: i) Mathematical finance, ii) Stochastic process, iii) Complex Analysis
- 2012 – 2015 **Paris-Dauphine University-PSL Research University (#1 French Universities) – Paris (France)**
- Bachelor of Science in Mathematics and Computer Science with **Honors**
  - Core subjects: i) Mathematics, ii) Computer Science, ivi) Finance, vii)Game Theory
- 2014 – 2015 **UQAM University (Top 5 Canadian Universities) – Montréal (Canada)**
- Exchange program in semester 5, majoring in Pure Mathematics **GPA: 4.0/4.0**
  - Relevant courses: i) Statistics , ii)Probability ,iii) Group Theory, iv) Advanced Algebra

## RESEARCH EXPERIENCE

---

- October 2020 – **Pre Doctoral Researcher, Rockefeller University - Center for Brain, Minds and Machines**
- **Deep Learning, Reinforcement Learning, Computational Neuroscience and graph networks**
- July 2020 – **Pre Doctoral Researcher, Cornell University – Memorial Sloan Kettering Cancer Center**
- **Machine Learning for Cancer Research** : Integration of genomics ,imaging and single cell data for early cancer detection and disease evolution modelling
- January 2020 – July 2020 **Graduate Research Assistant, Columbia University in the City of New York - New-York (USA)**  
**Graduate Biomedical Engineering Department**
- April 2019 – **Computational Oncology , Memorial Sloan Kettering Cancer Center , New-York (USA) Dual PhD Columbia University**
- **Cancer Research with statistical machine learning applied to genomics under the supervision of [Dr.Papaemmanuil](#)**  
: Development of survival analysis prognosis models , clustering models and unsupervised learning for precision medicine
- July 2018–October 2018 **Deep Learning Computer , Data Challenge JFR 2018 - Paris (France)**
- **Development of CNN algorithms for breast cancer detection with MRI images**: Preprocessing steps,Data Augmentation, Transfer Learning and fine-tuning hyper parameters

January 2018 –June 2018 **Internship Equity Derivatives Trading-Data Science,Société Générale New-York (USA)**

- **Research Paper:** Development of Pricing Prediction Algorithms , News Detection, Repo Predictions(*Python* with *Machine Learning Models*)
- Development of Pricing and Optimization Algorithms for structured securities finance and indexation(*Python*)
- Market Opportunities ,Risk & PnL Analysis,Developing/back-testing new strategies(*Python*)

June 2017– December 2017 **Off-Cycle Internship Research and Data-Science , Convertize – London(UK)**

- **Publication:** Reducing A/B Test Duration for various Marketers creating a new model of Significance Level with weighted Welch's t-Test.
- Development of Machine Learning Algorithms : Content-Based and User-Based Recommendation Systems, Predictive Notifications & Clustering Models.
- Optimizing Traffic Allocation Algorithms : Reinforcement Learning and development of Multi-Armed Bandit Testing
- Development of Lagrangian Dynamic Pricing Models to maximize purchasing behavior

---

## PROJECTS AND WORK EXPERIENCES

January 2017 – May 2017 **Mechatronics Project, IRCAM POMPIDOU – Mines ParisTech (France)**

- Design and manufacture of a morpho-realistic robot reproducing the human voice(5 months).

February 2016 – March 2016 **Supply Chain ,Vente-Privée – Paris (France)**

- Modeling and improving the warehouse reception process (2 months).

November 2015 – January 2016 **Consulting Project, AP-HP Hôpitaux de Paris –Mines Paris Tech (France)**

- Software Tool Development to help nurse coordinator to manage patients in the area of supportive care

**Publication** Y. Tazi , P. Aimé, J.Grünbeck. "[A/B Testing - The Hybrid Statistical Approach: Using Frequentist & Bayesian approach](#)"

**Certification** *Medicen* Health Innovation Cluster

**IT Skills** Python, R, Java, SQL, VBA,C++, Keras, Tensorflow, PyTorch, Lasagne, LaTeX, Git

**Languages** **French (Native), English & Spanish (Fluent)**

**Associative,Volunteering** (i) Student Government Association, (ii) Club Finance, (iii) VP Boxing,Soccer,Fitness  
(iv) "Ftour Bab Rayan" Association, (ii) Phuket Zoo Association