curriculum vitæ of

Jess de Jesus de Pinho Pinhal

ETHICS OF AI · POLITICS OF AI · NORMATIVITY
PHILOSOPHY OF AI · PHILOSOPHY OF TECHNOLOGY

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EDUCATION

2016 **MSc in European Business** (now MBA in International Management)   ESCP EUROPE, ITALY AND GERMANY

Top-level graduate school 'Grande École' (group A: ranked 3rd out of 37) in Economics, Finance, Strategy, Marketing and Entrepreneurship.
Thesis title: "A Journey Through an Entrepreneurial Adventure". grade: 20/20

2015 **BA (Hons) in Philosophy** (first-class honours)   UNIVERSITY OF NICE, FRANCE

General Philosophy, History of Ideas, Ancient Philosophy, Phenomenology, Political Philosophy.

2012 **MSc in General Engineering**   TELECOM PHYSIQUE STRASBOURG (FORMER ENSPS), FRANCE

Top-level graduate school 'Grande École' (group A: ranked 30th out of 172) in Information Technologies.
Thesis title: "Digitalisation and Gamification of Tomi Ungerer's Artwork".

2009 **Classes Préparatoires aux Grandes Ecoles** (Mathématiques Spéciales)   LYCÉE LALANDE, FRANCE

Post-secondary preparatory school—intensive three-year study course preparing for the competitive entrance examinations to the French 'Grandes Écoles' (France top and highly-selective institutions).

2006 **Baccalauréat** (with high honours)   LYCÉE CONDORCET, FRANCE

French High School diploma.

RESEARCH EXPERIENCE

2019–present **Research Assistant in Philosophy of Technology**   TECHNISCHE UNIVERSITÄT BERLIN, GERMANY

My research explores the concept of **scalability** in computer science, focusing on questions of **governance** and **democracy**. Using methods of the history of ideas, cross-cultural studies and critical theory, and frameworks from moral and political philosophy, I am investigating the **normalisation** which comes with applications deployed worldwide. Currently, I am studying the case of Algorithmic Fairness, a newly formed discipline framed as the solution to global issues of algorithmic bias and discrimination. I am identifying the embedded values of this field and analyse how its Anglocentric and universalist assumptions may produce implicit norms beyond public scrutiny.

TEACHING EXPERIENCE

TECHNICAL UNIVERSITY OF BERLIN

Lecturer Journal Club - Political Philosophy of Technology (graduate seminar - 1 hour 30 minutes)

- Teach one class of 25-50 students from all universities of Berlin (backgrounds in Art, Humanities, Social, Formal and Natural Sciences, Engineering)

- Responsible for all aspects of the course: syllabus design, lesson delivery, and grading

- Students learn to deal with academic literature, to interpret, analyse, reconstruct, and discuss arguments in the fields of ethics and politics of AI, and to structure and write an extended abstract (e. g., for a conference or journal call)

Summer Semester 2022, Winter Semester 2021–22, Winter Semester 2020–21

Guest Lecturer Introductory Course - Erkenntnis und Methode (graduate seminar - 1 hour 30 minutes)

- Teach one class of introduction to Philosophy of Technology

- Responsible for content, lesson delivery, and grading

Every winter semester since 2019

Teaching Assistant Project Course - Ethics of AI (graduate seminar - 3 hours and 30 minutes)

- Co-taught one class of 60 master level students from Data Science, Engineering, Human Factors, Social Sciences and Humanities in partnership with Freie Universität Berlin

- Supervised group work during project sessions and outside class hours

- Helped create lesson plans, deliver lectures, facilitate activities, and grade exams

Summer Semester 2020

Teaching Assistant Journal Club - Can we design moral machines? (graduate seminar - 1 hour 30 minutes)

- Helped with literature selection, supervision, and grading

Winter Semester 2019–20

Teaching Assistant Project Course - Robotics and AI: Ethical and Social Challenges (graduate seminar - 3 hours and 30 minutes)

- Co-taught one class of 45 master level students from Computer Science, Engineering, Social Sciences and Humanities

- Supervised group work during project sessions and outside class hours

- Helped create lesson plans, deliver lectures, facilitate activities, and grade exams

Winter Semester 2019–20

OTHER INSTITUTIONS AS GUEST

Teaching Assistant Winter School - Ethics and Neuroscience (graduate seminar - 1 hour 30 minutes) Organized by the *Bernstein Center for Computational Neuroscience Berlin* and the *Berlin School of Mind and Brain*

- Co-taught one lecture for 150 Ph.D. and master students from Neuroscience and Philosophy of Mind

18th February, 2020

EMPLOYMENT

2021–Present	**Public Speaker**	FREELANCER, GERMANY (BERLIN)

- Keynote talks about **Artificial Intelligence** and **Machine Learning** to investors and C-level executives
- My clients include: Knowledge Exchange Sessions, The House of Beautiful Business

2018–2019	**Entrepreneur in Residence**	PUSH FOUNDERS GMBH CO. KG, GERMANY (BERLIN)

- Consultancy for business idea evaluation and strategy of development of **Artificial Intelligence** and **Machine Learning** startups
- Networking inside Berlin's startup and Tech scenes
- Public Speaking and Investor Relations

2016–2017	**Entrepreneur** participant in Journey Re Competition (3ʳᵈ Prize) HANNOVER RE, GERMANY (BERLIN)

I won **3ʳᵈ prize** with my co-founder Maximilian Eisbach in an international entrepreneurship competition aiming to revolutionise the (re)insurance industry. I designed a new loss forecasting system allowing a complete digitalisation and substantial efficiency gains in the underwriting and claims adjuster business using **Machine Learning**.

- Researched and applied innovation processes (Design Thinking and Customer Centricity methodologies) to disrupt the insurance industry
- Designed a Machine Learning algorithm as proof of concept to digitalise and automate the forecasting, underwriting and claims handling processes
- Designed a fully-automated B2B2C platform that generates and monitors insurance policies tailored to individual customer requirements
- Wrote a Company profile, a Product description, a Business plan and a Go-to-market strategy, computed financial forecasting models
- Pitched and Q&A with the executive board of Hannover Re, insurance companies and investors; participated in 2 major tech events (TOA 2016, ViZions by Zalando)

2012–2015	**Software Engineer** AMADEUS, U.K. (LONDON) AND FRANCE (NICE)

- Oversaw the complete redesign of the global User Experience of a revenue management and availability system for the airline industry (Altéa Group Manager) based on **Big Data** technology
- Developed features for Altéa Group Manager and Amadeus' Business Intelligence Solutions for Hotels
- Designed and developed a baggage handling system embedded in a barcode hand scanner using C# (now in use at Munich airport)
- Coordinated international cross-team collaboration for multiple projects
- Ensured overall product quality and provided clients with support and training

2011	**Communication Manager** (Internship) APTTECH MEDICAL SYSTEMS, VIETNAM (HO CHI MINH)

I improved the company's communication with a new website as well as a 50-page brochure which was sent to 40+ medical manufacturers.

2010	**Tech Journalist** (Internship) GROUPE 01, FRANCE (PARIS)

I wrote news stories, analysis and interviews on tech and digitalisation for *Micro Hebdo*, *01 Informatique* magazines and *BFM TV* channel.

PEER-REVIEWED PUBLICATIONS

Authors who equally contributed to a publication are marked with a †.

CONFERENCE PROCEEDINGS AND JOURNAL ARTICLES

1. **Jess de Jesus de Pinho Pinhal**. (2022). Hacking Bias: Beyond Algorithmic Fairness. (work in progress)

2. **Jess de Jesus de Pinho Pinhal**. (2022). Algorithmic What?: Fairness, Anglocentrism and Digital Colonialism. (work in progress)

3. Vera Schmitt, Vinicius Woloszyn, Veronika Solopova, and **Jess de Jesus de Pinho Pinhal**. (2021). Implications of the New Regulation Proposed by the European Commission on Automatic Content Moderation. In *Proceedings of the ISCA Symposium on Security and Privacy in Speech Communication (SPSC Symposium'21)*. International Speech Communication Association, Virtual, 267–268.
   DOI: https://doi.org/10.21437/SPSC.2021-10

4. **Jess de Jesus de Pinho Pinhal**. (2021). To Scale: The Universalist and Imperialist Narrative of Big Tech. In *Proceedings of the 2021 AAAI/ACM Conference on AI, Ethics, and Society (AIES '21)*. Association for Computing Machinery, New York, NY, USA, 267–268.
   DOI: https://doi.org/10.1145/3461702.3462474

WORKSHOP PROCEEDINGS

5. [†]Patricia Ciobanu, [†]Clàudia Figueras, [†]**Jess de Jesus de Pinho Pinhal**, and [†]Martina Vortel. (2022). From Transhumanism to Transhumance. In *Feminist Voices about Ecological Issues in HCI (Apr. 22)*. CHI Conference on Human Factors in Computing Systems, New Orleans, LA, USA.
`https://feministecologies.com/`

6. **Jess de Jesus de Pinho Pinhal**. (2021). Beyond Big Tech's Epistemic Imperialism. In *Report of The Cost of Convenience Workshop (Jun. 21)*. Minderoo Centre of Technology and Democracy, University of Cambridge, England, 13.
`https://www.mctd.ac.uk/zine-the-cost-of-convenience/`

HONOURS AND GRANTS

2022	Travel grant ($2000) for the FAccT'22 conference	ASSOCIATION FOR COMPUTING MACHINERY
2020	Internal research funding (5,000€) for preparing a third-party funded project grant	TU BERLIN
2017	3rd prize of Journey Re competition (shared with Maximilian Eisbach)	HANNOVER RE
2015	Merit-based scholarship (10,000€) for ESCP M.Sc. in European Business	COMPAGNIA DI SAN PAOLO

PRESENTATIONS

CONFERENCES

1. Oral Presentation: Wisdom as an Epistemological Compass: Navigating AI Imaginaries Towards Sustainable Futures. *Technological Imaginaries - The Society for Philosophy and Technology Conference (SPT'2021)*. Society for Philosophy and Technology, Virtual, Jun. 28-30, 2021.

2. Oral Presentation: The Epistemology of (De)growth: The Myth of 'Scalability' in Silicon Valley. *Decolonising Degrowth Conference: From Sustainability to Climate Justice.* Centre for Culture and Ecology, Durham University, Virtual, Jun. 24-25, 2021.

3. Oral Presentation (Student Track): To Scale: The Universalist and Imperialist Narrative of Big Tech. *2021 AAAI/ACM Conference on AI, Ethics, and Society (AIES '21)*. Association for Computing Machinery, Virtual, May 19-21, 2021.

WORKSHOPS

4. Oral Presentation: [†]Patricia Ciobanu, [†]Clàudia Figueras, [†]**Jess de Jesus de Pinho Pinhal**, and [†]Martina Vortel. From Transhumanism to Transhumance. *Feminist Voices about Ecological Issues in HCI.* CHI Conference on Human Factors in Computing Systems, New Orleans, LA, USA.
`https://feministecologies.com/`

5. Oral Presentation: Beyond Big Tech's Epistemic Imperialism. *The Cost of Convenience Workshop.* Minderoo Centre of Technology and Democracy, University of Cambridge, Virtual, Jun. 21, 2021.

6. Invited Talk: Algorithmic Fairness: Towards an Automation of Injustice? *Global AI Narratives Project: Germany workshop.* The Leverhulme Centre for the Future of Intelligence (University of Cambridge) and the Present Futures Forum (Technische Universität Berlin), Virtual, Sep. 17-18, 2020.

PROGRAMMING SKILLS

Strong knowledge of the programming language `C++` with a focus on high-level modular programming.
Working knowledge of `Python`, `JavaScript`, and `UNIX` (e.g. `Shell`).

Languages

French: Native
English: Fluent
German: Proficient
Italian: Proficient
Spanish: Intermediate

Service To The Scientific Community

BERLIN ETHICS LAB for Responsible AI and Responsible Human-Machine-Interaction

2019–present **Founding Member**

- Co-founded international cross-disciplinary platform dedicated to societal challenges brought by AI and robotics using critical design thinking methodology
- Involved in writing proposal for seed funding from the Berlin University Alliance (obtained)

2020–present **Convener of the Critical Ethics Club**

- Co-leading a reading club for PhD students in fields related to Ethics of AI from various institutions gathering online biweekly

Professional Memberships/Affiliations

2021–present	**Member**	Society for Philosophy and Technology
2021–present	**Complimentary Member**	Association for Computing Machinery

Extracurricular Activities

2018–present	Founding Member and Live A/V Artist · Trial and Theresa

Trial and Theresa is a *feminist VJ-collective with over 26 Berlin-based VJs/visual jockeys and video artist members founded in Berlin in 2018 to promote the presence of w%#*n in the electronic arts scene. Their artistic practice mobilises collective experimentation in Live A/V, cross-media performance and Live Cinema.