Paul Gorbow

Senior Researcher and Analyst

Profile

Analyst with a Ph.D. in logic from the University of Gothenburg and a B.Sc. in mathematics with computer science from MIT. I have an exceptionally strong academic background and experience with complex, abstract, and open-ended problem domains. Over the last decade in academic research, I have developed a combination of rigorous analysis, structural thinking, and clear judgment under uncertainty with a pronounced ability to see the big picture, identify what is essential, and distinguish what is strategically relevant.

My professional background also includes thorough experience in Business Intelligence and IT consulting. In these roles, I worked closely with marketing and business stakeholders with limited technical background, translating data analysis and system-level insights into concrete, actionable understanding that supported strategic decisions. I also managed complex data-modeling and IT-architecture projects with multiple stakeholders and high business-stakes.

A central strength of mine is the ability to ask the right questions early, frame problems at the appropriate level of abstraction, and orient analysis toward long-term goals and decision-relevant outcomes. I am highly communicative and accustomed to explaining complex structures in a clear, approachable way to stakeholders with diverse backgrounds. Moreover, I am accustomed to work independently with high responsibility.

Summary of strengths

- **Advanced analytical reasoning:** exceptional ability to analyze complex, abstract, and ill-structured problems and identify their essential structure.
- **Big-picture synthesis:** strong capacity to integrate diverse information sources into coherent understanding that supports strategic and tactical decisions.
- **Judgment under uncertainty:** effective in contexts where assumptions, information, or frameworks are incomplete or evolving.
- **Clear communication:** ability to explain complex ideas effectively to diverse audiences.
- **Business background:** prior experience in Business Intelligence (integrating various information sources and data analysis techniques to serve marketing campaigns) and IT consulting (designing a CRM system implementation, leading a high-stakes system procurement project).
- **Independent and responsible work style:** accustomed to high autonomy, long-term responsibility, and delivering results without close supervision.

Education

2015.09–2018.06	**Ph.D. (Logic)**, Department of Philosophy, Linguistics and Theory of Science, University of Gothenburg, Gothenburg, Sweden. *Thesis: Self-Similarity in the Foundations*, defended 2018.06.14.
2009 Spring	**Bachelor's thesis (Philosophy)**, Stockholm University, Stockholm, Sweden. Thesis later reworked into the J. Phil. publication "How diverse can coincident things be?" (2024).
2006.09–2007.06	**Ph.D. (Mathematics, discontinued)**, Central European University, Budapest, Hungary.
2005.09–2006.08	**M.Sc. (Mathematics)**, Uppsala University, Uppsala, Sweden. *Thesis: Infinite Sequences in Stability Theory.*

2000.09–2004.06 **B.Sc. (Mathematics with Computer Science)**,
Massachusetts Institute of Technology (MIT), Cambridge, USA.
Honor: Phi Beta Kappa (ΦBK) – membership in an honor society awarded to the top 10% of the graduating class, recognizing exceptional academic achievement.

Academic positions

2026.03–now **Researcher (part-time)**, Department of Philosophy, Classics, History of Art and Ideas, University of Oslo, Norway.
Continued work in line with the previous research position.

2025.05–2025.12 **Researcher**, Department of Philosophy, Classics, History of Art and Ideas, University of Oslo, Norway.
Within the project *Infinity and Intentionality*, headed by Øystein Linnebo and funded by the Norwegian Research Council.

- Research in the philosophy of mathematics, including:
  - Development of potentialist truthmaker semantics.
  - Development of predicate-style potentialist set theory.
  - Development of *feasibilism* as a middle ground between finitism and intuitionism.
- Secondary supervision of PhD students (Jacopo Berneri and Davide Sutto).

2021.06–2025.04 **Postdoctoral researcher**, Department of Philosophy, Stockholm University, Sweden.
Grant-funded independent researcher (Swedish Research Council, International Postdoc). Executed mainly as a guest researcher at the University of Oslo.

- Introduced and developed a theory of *development processes* and dynamic objects in mathematics.
- Applied these frameworks across diverse domains, including a mathematically sophisticated application to formal epistemology.
- Secondary supervision of PhD students (Jacopo Berneri and Davide Sutto).

2019.03–now **Partial parental leave**, 257 days in total.

2018.11–2021.06 **Postdoctoral researcher**, Department of Philosophy, Linguistics and Theory of Science,
University of Gothenburg, Sweden.
Within the project *Reflection and Truth*, headed by Graham E. Leigh and funded by the Wallenberg Academy Fellows programme.

- Philosophically motivated but deeply mathematical work, introducing and developing a theory of the *multiverse of sets*.
- Taught an introductory course in category theory.
- Contributed material to an online course introducing set theory.

2015.09–2018.11 **Ph.D. (Logic)**, University of Gothenburg, Sweden (see Education).

- Work in mathematical logic:
  - Introduction and development of a category-theoretic axiomatization of NF set theory.
  - Results on self-embeddings of non-standard models of set theory.
- Teaching:
  - Course introducing propositional and first-order logic.
  - Course introducing set theory.

Business positions

2012.01–2015.08 **Business Intelligence analyst and architect**, Vattenfall, Stockholm, Sweden.

- Customer database analysis and marketing analysis to improve marketing efficiency.
- Continuous collaboration with marketing professionals.
- Design of data models to improve analysis efficiency.
- Leadership of a high-stakes procurement project for an IT system to enable agile marketing processes (2014.09–2015.08).

2010.02–2011.09 **IT consultant (self-employed)**, Stockholm, Sweden.

- At Kaplan (2011.04–2011.09), a marketing agency: Pre-study for a Marketing Intelligence IT system.
- At Tidningarnas Telegrambyrå (2010.02–2011.04), a news agency: Implementation and customization of a Microsoft CRM system.

2009.02–2010.01 **IT consultant**, Tidningarnas Telegrambyrå, Stockholm, Sweden.

- Provided an overview and analysis of the IT landscape of the department.