

KARISSA WATERWORTH

AGENT OF CHANGE



karissa.waterworth@gmail.com



linkedin.com/in/karissa-waterworth/



** karissawaterworth.com

PERSONAL STATEMENT

With a knack for tackling challenges head-on, I bring a unique blend of technical expertise and innovative thinking to the table. From my roots as a self-taught, full-stack web developer to my current research in neuro-symbolic AI, I strive to be a catalyst for transformative solutions, harnessing technology to create a more intentional and sustainable world.

EDUCATION

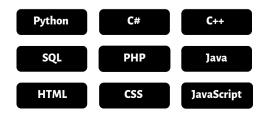
MIAMI UNIVERSITY

(August 2019 - May 2024 ~ Oxford, Ohio)

- > Master of Science Computer Science (May '24) Graduate GPA: 4.00
- > Bachelor of Science **Software Engineering** (May '23)
- > Bachelor of Science Computer Science (May '23)
- > Certificate Entrepreneurship / Creativity (May '23) Undergraduate GPA: 3.85 Magna Cum Laude, Honors with Distinction

RELEVANT COURSEWORK

- > Artificial Intelligence, Machine Learning
- > Logic, Knowledge Representation & Reasoning
- > Design Thinking, Creativity & Innovation
- > Software Requirements and Elicitation
- > UX/UI Design
- > Software Architecture & Design Patterns
- > Software Testing, Ethical Hacking
- > Web Applications Programming
- > Database Systems
- > Comparative Programming Languages
- > Object Oriented Programming
- > Data Structures, Algorithms



TECHNOLOGICAL CHANGE

THESIS RESEARCH - ARTIFICIAL INTELLIGENCE

(February 2022 - May 2024 ~ Oxford, Ohio)

- > Created and empirically tested a hybrid, neuro-symbolic semantic search system for research papers in artificial intelligence.
- > Leveraged insights from lateral thinking, systems theory, psychology, creativity, and business to explore innovative approaches in AI research.
- > Unified two different areas of artificial intelligence: neural and symbolic, in order to improve AI outcomes through synergy.
- > Delivered a defense presentation to a PhD-level committee.

WORLD CREATIVITY & INNOVATION WEEK / DAY

(February 2020 - May 2024 ~ Oxford, Ohio (Hybrid))

- > Observed and interviewed users of the software to identify opportunities for improvement.
- > Taught myself new things to adapt to the specific needs of the users.
- > Proposed and implemented new projects and initiatives to streamline operations and drive and support exponential growth.
- > Designed, developed, and maintained a database to facilitate automation, which increased process efficiency by more than 10x.
- > Presented original software to the international advisory board.
- > Integrated feedback into the next iteration, resulting in software which was more intuitive and well suited for international use.
- > Provided the means for data visualization, analysis, and informed decision-making, positioning the organization for future success.

INDEPENDENT CONTRACTING - DIVER COLLECTIVE

(May 2021 - August 2022 ~ Brooklyn, New York (Remote))

- > Modified and developed WordPress websites and plugins.
- > Trained clients how to use WordPress and Elementor.
- > Transformed artist-made website designs from idea to reality.

SUMMER INTERNSHIP - KEYBANK

(June 2021 - August 2021 ~ Cleveland, Ohio (Remote))

- > Assisted the Enterprise Architecture team by creating proof of concept projects, including a chatbot and user permissions system.
- > Developed a database, leveraged Google Cloud Platform and Pub/Sub events and scripts written in PHP and Python.
- > Presented projects to leaders within the company.