

Emily LeBlanc, PhD

Alexandria, VA

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SKILLS

WRITING

SCIENTIFIC PAPERS AND ARTICLES
SOFTWARE DOCUMENTATION
RESEARCH PROPOSALS
EDUCATIONAL CONTENT
PATENT APPLICATION

WORD PROCESSING

MS OFFICE AND \LaTeX
MARKDOWN AND RST
WORDPRESS

VISUALIZATION

TECHNICAL ILLUSTRATION
D3.JS AND SEABORN

RECENT LANGUAGES

HTML/CSS
JAVASCRIPT
PYTHON
CLOJURE

EDUCATION

DREXEL UNIVERSITY

PHD, COMPUTER SCIENCE
FOCUS: ARTIFICIAL INTELLIGENCE
June 2019 | Philadelphia, PA

DREXEL UNIVERSITY

MASTER OF SCIENCE, COMPUTER SCIENCE
June 2017 | Philadelphia, PA

TEMPLE UNIVERSITY

BACHELOR OF SCIENCE, COMPUTER SCIENCE
May 2013 | Philadelphia, PA

WORK HISTORY

INDEPENDENT

SOFTWARE DEVELOPER

January 2022 – present | Alexandria, VA

- Exploring how Artificial Intelligence can be used to augment human expertise.
- Producing all proposals, plans, articles, and software documentation.

U.S. NAVAL RESEARCH LABORATORY

COMPUTER SCIENTIST · KARLES FELLOW

November 2019 – November 2021 | Washington D.C.

- Performed basic research in the Interactive Systems section of the Navy Center for Applied Research in Artificial Intelligence (NCARAI).
- Produced scientific papers, reports, research proposals, software documentation, and online tutorials.

DREXEL UNIVERSITY

PHD CANDIDATE · RESEARCH ASSISTANT · TEACHING ASSISTANT

July 2013 – Jun 2019 | Philadelphia, PA

- Researched and developed a novel, logic-based causal reasoning framework and software implementation.
- Produced scientific papers and articles, research proposals, software documentation, educational content, and patent applications.

GE GLOBAL RESEARCH

GRADUATE RESEARCH INTERN

Summer 2015 and 2016 | Niskayuna, NY

- Developed Natural Language Processing tools for linguistic health record analysis and aviation software.
- Produced technical articles, software documentation, tutorial content, and invention disclosure.

HIGHLIGHTED PUBLICATIONS

- **Towards a Model of the Dynamics of Norm-guided Blaming**, Emily LeBlanc. 34th International Workshop on Qualitative Reasoning, 2021.
- **Explaining Actual Causation via Reasoning about Actions and Change**. Emily LeBlanc, Marcello Balduccini, Joost Vennekens. 16th edition of the European Conference on Logics in Artificial Intelligence (JELIA 2019), 2019.
- **Action-Centered Information Retrieval**, Marcello Balduccini, Emily LeBlanc. Theory and Practice of Logic Programming Journal, 2019.