

# 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  $\text{\LaTeX}$   
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 accompanying 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.