NOAH ZIEMS

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EDUCATION

University of Notre Dame   *2022-present*
Ph.D in Computer Science
NLP, Question Answering, Information Retrieval

Advised by Dr. Meng Jiang

Ball State University   *2017-2021*
Bachelor of Science in Computer Science
Honors College
Overall GPA: Cum Laude (3.7/4.0)

EXPERIENCE

Ball State University   February 2019 - May 2021
Research Assistant   *Muncie, Indiana*

· Research areas included healthcare, neural architecture search algorithms, and natural language processing applied to raw code.

LeadSigma   August 2020 - May 2021
Software Engineering Intern   *Remote*

· Created a backend using Ruby on Rails for a B2B Sales Software startup. I was also responsible for creating & testing the frontend(React) before there was a frontend team and writing AWS Lambda integrations in Python to be used with Salesforce. In this role I helped grow the revenue from $0 to more than 6 figures.

Ball State University Honors College   May 2019 - August 2019
Honors Fellowship   *Muncie, Indiana*

· Explored literature and implemented many papers on neural architecture search algorithms for neural networks. More specifically, I spent an extended period of time implementing and investigating Neural Architecture Search, where the entire model architecture is itself differentiable and learnable.

FIRST AUTHOR PUBLICATIONS

Parathyroid Tumor Detection with Machine Learning   May 2021
Accepted to IEEE GLOBECOM 2021

Security Vulnerability Detection Using Natural Language Processing   Jan 2021
Accepted into IEEE INFOCOM 2021

SERVICE

Conference Reviewer

· AAAI 2022
· ACL 2023

Teaching Assistant

· CSE 40243: Compilers and Language Design (Fall 2022)
· CS 124: Discrete Structures (Spring 2019)