

Max WILLIAMS

PERSONAL DATA

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PRONOUNS: he/they

WORK EXPERIENCE

SUMMER 2021	Full Stack Node/React Developer for DYADICAL App Development (ongoing as part time) Designing app architecture, backend server, and frontend components.
SUMMER 2019	Research Intern for PACIFIC NORTHWEST NATIONAL LAB Deep Learning Research Developed novel deep learning models for few-shot image classification tasks.
SUMMER 2018	Software Engineer for UNIVERSITY OF KENTUCKY Material Science Software Development Developed user-facing software for managing machine learning models.

EDUCATION

Master of Engineering in Computer Engineering & Computer Science
University of Louisville, Kentucky (2020-2021)
GPA: 3.875/4.0

Bachelor of Science in Computer Science & Engineering with a Minor in Mathematics
University of Louisville, Kentucky (2016-2020)
GPA: 3.595/4.0 with Honors

PUBLICATIONS

- 2021 Robert Williams and Roman Yampolskiy. Understanding and Avoiding AI Failures: A Practical Guide. *Philosophies*, 6(3), 2021
- 2020 Ryan Jacobs, Tam Mayeshiba, Ben Afflerbach, Luke Miles, Max Williams, Matthew Turner, Raphael Finkel, and Dane Morgan. The Materials Simulation Toolkit for Machine learning (MAST-ML): An automated open source toolkit to accelerate data-driven materials research. *Computational Materials Science*, 176:109544, 04 2020
- 2019 Robert Max Williams and Roman V. Yampolskiy. Optical Illusion Images Dataset. *INSAM Journal of Contemporary Music, Art and Technology*, 2:127-139, 2019
- 2019 Mohamed Chaabane, Robert M Williams, Austin T Stephens, and Juw Won Park. circDeep: Deep Dearning Approach for Circular RNA Classification From Other Long Non-Coding RNA. *Bioinformatics*, 36(1):73-80, 07 2019

PROGRAMMING LANGUAGES AND TOOLS

Extensive Knowledge: Python, Linux Core Utils, Vim, C, JavaScript
Intermediate Knowledge: Common Lisp, NumPy, Jupyter Notebooks, Git, Arduino, TensorFlow, PyTorch
Basic Knowledge: C++, \LaTeX , React, SQL, Nginx

AWARDS AND ACTIVITIES

ROTARY STUDENT EXCHANGE	9-month term abroad attending high school in Thailand
RIVER CITY ROCKETRY	Payload and Telemetry Design
EAGLE SCOUT	Highest rank in Boy Scouts of America
FIRSTBUILD HACK THE HOME	Best Digital Experience and second place overall, 2017