Patrick O'Reilly

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EDUCATION

Northwestern University	**Evanston, IL**
Doctoral Student in Computer Science	*2020-Present*
University of Illinois at Chicago	**Chicago, IL**
M.S. in Computer Science. GPA: 4.0/4.0	*2018-2020*
Carleton College	**Northfield, MN**
B.A. in Mathematics and Music, Magna Cum Laude. GPA: 3.91/4.0	*2013-2017*

AWARDS

Northwestern Data Science Fellowship	*2020*
Northwestern Cognitive Science Incoming Graduate Fellowship	*2020*
Phi Beta Kappa	*2017*
Honors in Music Performance	*2017*
Distinction in Comprehensive Exercise in Music	*2017*

EXPERIENCE

Caterpillar 'CAT Lab' at UIC Innovation Center — **Chicago, IL**
Researcher — *2019 – 2020*
· Led machine learning research on two projects in sensor data classification
· Performed data acquisition, cleaning, and visualization
· Worked with engineers and Caterpillar management to build and deploy a software product on proprietary hardware

Lake Forest College — **Lake Forest, IL**
Adjunct Faculty — *Spring 2020*
· Computer Science I (CSCI 112)

UIC Department of Computer Science — **Chicago, IL**
Graduate Teaching Assistant — *Fall 2020*
· Software Engineering (CS 440)

Carleton College Department of Mathematics — **Northfield, MN**
Research Assistant — *Summer 2016*
· Partnered with CyberOptics corporation (Minneapolis) to explore 3D-imaging methods for circuit board assembly
· Researched shape-recognition algorithms and curve invariants