

# Conrad Christensen

## WORK EXPERIENCE

SEPTEMBER 2017 – PRESENT

New York University

### *Research Assistant*

Experience contributing and leading research projects in the area of machine learning systems, and systems application of machine learning. Projects include automatic optimization of distributed neural network computation, and adaptive/learned concurrency control for DBMS.

JANUARY 2018 – DECEMBER 2018

New York University

### *Teaching Assistant, Grader*

Teaching recitation, grading, holding office hours, and creation of lab material. Development of automated grading tool: automatically pulls assignments from GitHub, grades them, and pushes scores back to student repositories.

SEPTEMBER 2015 – JUNE 2016

Colorado State University

### *Undergraduate Research Assistant*

In collaboration with the Department of Homeland Security, the Distributed Systems Group worked to create real-time exploration of large scale epidemiological data. Using machine learning techniques and distribution of large data workloads we worked to create a tool for a user friendly exploration of what-if questions in agricultural disease spread data.

SUMMER 2015 AND 2016

Colorado State University

### *MACS Summer Camp Instructor*

MACS is a program funded by the National Science Foundation that provides math education to middle school students. The program uses the field of Computer Science as a means of addressing the importance of math. The camp attendees are Native American middle school students from Cortez, CO.

SUMMER 2015

Northrop Grumman and Colorado State University

### *STEM Summer Camp Instructor*

Northrop Grumman hosts a STEM/Cybersecurity summer camp where students from a selected Colorado school district learn and gain experience in a STEM (Science, Technology, Engineering and Math) field.



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## EDUCATION

2017 – PRES. **Computer Science, M.S.**  
4.0 GPA  
New York University

2014 – 2017 **Computer Science, B.S.**  
3.82 GPA (4.0 IN CS)  
Colorado State University

## NOTABLE COURSES

GRADUATE Honors Algorithms,  
Distributed Systems,  
Advanced Database Topics,  
Deep Learning

UNDERGRADUATE Algorithms, Compiler  
Construction, Big Data,  
Distributed Systems,  
Machine Learning

## TEACHING EXPERIENCE

2018 **Basic Algorithms**  
New York University

2018, 2015 **Computer Systems Organization**  
New York University, Colorado  
State University

## TECHNICAL SKILLS

LANGUAGES Python2/3, Java, C++, C, Bash,  
JavaScript

LIBRARIES Tensorflow, MXNet, PyTorch,  
D3js, OpenCV, Boost

TOOLS, OS git, GitHub, gcc,  $\LaTeX$ ,  
GNU/Linux, OS X, NVIDIA NGC,  
Amazon AWS

## PERSONAL

My primary interests in computer science include machine learning, distributed and database systems. More personally I am interested in computational complexity, computability, and other theoretical topics.