# James Macak

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## Education

**HARTWICK COLLEGE**                                                                        Oneonta, NY
 B.S. in Computer Science. Major GPA 3.9/4, Cum GPA 3.7/4              August 2017 -- June 2021

### Relevant Coursework
Intro to Deep Learning (MIT 6.S191), Machine Learning (Coursera), Computer Ethics, Database Concepts, Advanced Programming Techniques, Bioinformatics, Linear Algebra, Differential Equations

### Scholarships and Awards
John Christopher Hartwick Faculty Scholar, The Departmental Award for Excellence in Computer Science for Spring 2019 & Spring 2020, Dean's List for Fall of 2017 – Sprint of 2021 (8 times), Hartwick College Oyaron Scholarship, Hartwick Assistance Grant 2017, NY Tuition Assistance Program, Federal Pell Grant

## Technical Skills and Interests
**Experience in:** Python, Pandas, Sklearn, PyTorch, TensorFlow, R, MATLAB, Java, MySQL
**Interested in:** Deep Learning, Mathematics, Networking, Bouldering, Hiking, German Cars

## Personal Projects

**NLP With Disaster Tweets**                                                 February 2021 -- June 2021
 Thesis project involved using NLP to determine if a Tweet refers to a natural disaster, based on an ongoing Kaggle competition. Methods included text processing, feature extraction, and modelling, written in Python Jupyter notebooks. This project concluded with a departmental presentation thesis defence.

**Lottery Prediction**                                                                 June 2019 -- Current
 A program analysing State Lottery data to predict future draws. Analysis and projection tools utilize a custom algorithm, based on long and short-term cycles of observed patterns.

## Experience

**HARTWICK COLLEGE**                                                                        Oneonta, NY
 **Python Tutor**                                                                    October 2020 -- Current
- Tutored undergraduate students in basic Python and SQL topics.

 **Network Department Assistant**                                         July 2019 -- October 2020
- Worked with Network & Systems Admins to upgrade and manage the Hartwick Campus Network.
- Oversaw inventory of HP Aruba equipment valued at ~$750k.
- Configured and deployed switches, briefed supervisors, and established work proficiency.

 **Technology Resource Center – Student Technology Assistant**        June 2018 -- July 2019
- Hardware & software troubleshooting, network & account support, help desk duties.

## Volunteering

**MAIN STREET BAPTIST CHURCH**                                                           Oneonta, NY
 **Sunday Morning Service Livestream**                                   January 2021 -- Current
 One of a small group of technical volunteers to livestream church services.

 **CLIFF Youth Group Leader**                                               November 2020 -- Current
 Leading Junior High students on a weekly basis, running group activities.

**Leadership – President of:**
 Campus Ambassadors: Organize events, small group leader, future planning, and the like. (2020-21)
 Computer Science Club: Put into motion and received extra funding to build a server for ML. (2019-20)