

James Macak

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Education

HARTWICK COLLEGE

B.S. in Computer Science. Cum GPA 3.85/4.00

Oneonta, NY

Anticipated Graduation - May 2021

Relevant Coursework

Computer Security, Computer Networking, Building Tomorrow's Software, Computer Ethics, Database Concepts, Advanced Programming Techniques, Bioinformatics, Calculus, Linear Algebra

Scholarships and Awards

Hartwick College Oyaron Scholarship, The Departmental Award for Excellence in Computer Science for Spring of 2019, Dean's List for Fall of 2017 – Current, John Christopher Hartwick Faculty Scholar

Leadership

CompSci Club President. Active leader in day to day group activities to accomplish the task at hand.

Technical Skills and Interests

Experience in: Python, MATLAB, Java, MySQL, R/R Studio

Interested in: Machine Learning, Applied Mathematics, Computer Security

Personal Projects

LOTTERY PROJECT

June 2019 – Current

Developing a Python-based program that analyses State Lotteries' data with an intent to project future draws. Trend analysis and projection tools are utilizing a custom algorithm, based on observed long and short-term cycles of the analyzed data. The future plan is to implement machine learning strategies to further advance the accuracy of the algorithm.

HORSE RACE HANDICAP

Spring 2017

Created a Java program to fulfill the final project requirements for CISC 225. The concept was given the starting line for the Kentucky Derby, and based on data points on the horses, jockeys, and track conditions, the system would predict the winning positions.

Experience

HARTWICK COLLEGE

Oneonta, NY

Network Department Assistant

July 2019 – Current

Assisted with the network upgrade for the Resident Hall side of the dual-core campus network design; installed a variety of HP Aruba switches; updated old network map with new design using MS Visio.

Technology Resource Center – Student Technology Assistant

June 2018 – Current

Responsibilities include computer troubleshooting, account support, technology email, Helpstar to document work, prepping student/faculty/staff laptops, and assist with various projects on a daily basis.

Office of the President – Work Study

December 2016 – May 2019

Responsible for managing content on the President's Office sector of the Hartwick College's website, assist in designing of future web pages, and actively worked on confidential projects.

Volunteering

SACRED HEART PARISH

Sidney, NY

Positive Community Actions

Ongoing

Volunteer at various community hosted events including the food pantry, church provided dinners, coffees, and parish events. Helping neighbors meet their needs.