James W. Cavallon

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Education:

Northwestern University   2020-
    M.S. Computer Science

American University, Washington, DC   2017-2020
    B.S. Computer Science, GPA: 3.51
        Algorithms, Data Structures, Networks, User Interface Design,
        Artificial Intelligence, Programming Languages, Database Management,
        Game Development

Case Western Reserve University, Cleveland, OH   2015-2016
    University Scholar, Mechanical Engineering

Gilman School, Baltimore, Maryland   2011-2015
    High School Diploma
        National Merit Scholarship Commendation
        AP Scholar Award, College Board

Relevant Work Experience:

The Y in Central Maryland Association
Intern, Association Office   Summer 2019
    Maintained hardware and software systems over a 500-node network

American University, Washington, DC
Teaching Assistant, National Student Leadership Conference   Summer 2019
    Taught course in Cryptography and Ethical Hacking

Johns Hopkins University, Baltimore, MD
Intern, computer science laboratory of Steven Salzberg, PhD   Summer 2018
    Performed large dataset analysis on *L. Prolificans* DNA.
    Using Python, removed duplicate bases of Oxford Nanopore and
    Illumina reads, then compared the two to the accepted genome to
    see how the sequencing techniques' accuracy was affected.

Kennedy Krieger Institute, Baltimore. MD
Project Consultant, Motion Analysis Laboratory   Summer 2017
    Designed program to capture facial expressions and emotions from images.
    Using MatLab, wrote scripts to take data points from a facial imaging
    software and manipulated points to create a symmetrical representation
    of faces with muscular disorders.

Peregrin Services, Owings Mills, MD
Intern   Winter 2016-2017
    Performed IT support, software maintenance, cabling, document inventory.

Other Work Experience:

American University, Washington, DC
AV Technician, providing assistance in using classroom technology.   2018-present

Coppermine Racquet and Fitness, Baltimore, MD
Store Supervisor, serviced members and guests, performed general maintenance.   2017

Camp Promise, Philadelphia, PA
Counselor, cared for and entertained boys with Duchenne muscular dystrophy.   Summer 2015

Skills:

    Languages: Python, Java, C Sharp, C++, Unity, Matlab, Prolog, Scheme
    Written and Oral Communication
    Technical Problem Solving