

HEVANDER DA COSTA



PROFILE

Computer Science and Physics major at the University of Maryland. Adaptive to various tasks and work environments. Strong inclination to work sight learning. Willing to assume leadership positions.

CONTACT

PHONE:
404-474-7011

LINKEDIN:
<https://www.linkedin.com/in/hevander-da-costa-353600170/>

GITHUB:
<https://github.com/Hevander27/Java>

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ACTIVITIES AND INTERESTS

Math and Physics club
Aviation club
Bird Watching
Theater and Art
College Football

WORK EXPERIENCE

Global Data Analyst

Bloomberg LP

06/07/2021- 08/14/2021

Worked with google Kubernetes like micro application messaging system. Created messaging protocol (Data flow recipe). Created mini app to correct company names given ticker symbols. Created mini app to extract CANNEX (Canadian stock) code numbers. Designed NLP notebook for headline generation.

Research Assistant

University of Maryland, College Park, Maryland

02/20/2021–Present

Supervisor: Dr. Srebric

I worked with aerosolized jet data to analyze the spread of COVID-19 through musical instruments. I developed scripts in MATLAB to cluster velocity ranges, determine the boundary, and mean values of jet aerosolized particulates. Developed multiple heuristics to categories and record jet shape.

Student Ambassador

MathWorks, College Park, Maryland

10/01/2019–Present

I organize and run training sessions for MATLAB programming. I promote and demonstrate the various engineer training platforms provided by MathWorks. Create social media posts to engage the student body in the MathWorks community. Network with student organizations and faculty to promote the use of MathWorks platforms for eLearning.

Student Ambassador

Wolfram, College Park, Maryland

10/01/2019–Present

I develop computational notebooks to demonstrate advanced topic in math and physics. I promote and demonstrate the various educational and research tool provided by Wolfram. Work with student organizations and faculty to promote Wolfram's Mathematica for eLearning.

Data Analyst

Cardlytics, Atlanta, Georgia

09/3/2019–09/16/2020

Developed scripts to automate creating of reports on campaign data. The scripts I designed interface with SQL, Python, and Excel. I developed and implemented linear regression and neural network models to forecast financial time series data. Created anomaly detection scripts to detect COVID affect like dips in financial times series data.

Research Assistant

University of North Georgia, Dahlonega, Georgia

09/01/2017–05/01/2019

Supervisor: Dr. Mantry

Worked with Lund University Pythia C++ package to generate simulation data for deep-inelastic scattering. Developed C++ program to calculate Parton jet properties: rapidity, pseudo-rapidity, transverse momentum, jet angle and mass. Simulated collider kinematics through top-quart production plots.

EDUCATION

University of Maryland

January 2020-May 2022

Computer Science and Physics

University of North Georgia

Physics, Math minor

KEY SKILLS AND CHARACTERISTICS

- Leadership and Communication
- Multi-lingual: English, Portuguese, French, Spanish
- Adaptive on-sight learning
- Solid technical writing skills
- Agile Scrum Methodology
- Programming: C++, Java, Python, SQL, VBA , MATLAB
- Fundamental data structures and algorithms
- Test Driven Development, Java Spring
- Mathematica, Maplesoft, Simulink, LabView
- Vertica Database
- Knowledge with various neural networks: LSTM and CNN variations
- Experienced in Mathematics: calculus 1-3, Linear Algebra, Advanced Linear Algebra, Ordinary and Partial Differential Equations, Advanced Partial differential equations, Algebraic Differential Equations, Statistics for Scientists and Engineers

LEADERSHIP

- Founder of University of North Georgia's Computer Engineering Club
- Founder of Society of Engineering Students at University of North Georgia
- Acquired solar powered car from Georgia Tech for UNG Math Department

ACHIEVEMENTS

- Awarded University of North Georgia's Blue and Gold Award
- President's list and Deans list 2018-2019
<https://meritpages.com/hevander>
- Among students who competed at UNG's first Innovation competition
<https://ung.edu/news/articles/2019/02/invention-contest-set-for-feb.-20-will-send-winner-to-state-competition.php>