ERIC PEÑA

Clifford D. Clark Fellow | State University of New York at Binghamton
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SUMMARY

Highly motivated systems science masters student with machine learning, data analytics, engineering, and project management experience seeking a position at the Summer Program for Operations Research Technology at the National Security Agency to research real-world complex systems using optimization methods and computational modeling

EDUCATION

State University of New York at Binghamton
M.S. Systems Science — 2021
Advanced Certificate in Complex Systems and Engineering

The Ohio State University
B.S. Engineering Physics — 2014
Computer Information Science Concentration

AWARDS

Clifford D. Clark Diversity Fellowship
Awarded by Binghamton University

The Ohio State University Young Scholars Program Scholarship
Five years in a row awarded by The OSU Office of Diversity and Inclusion

EXPERIENCE

Revenue Management Senior Data Analyst | DIAGEO | Chicago, IL | Mar 2017 – Jun 2019
· Deliver analysis and align with revenue management team to develop growth strategy
· Lead project intended to automate customer reimbursements and enforce deal compliance
· Train other data analysts to improve ways of working and standardize processes
· Develop system for improved data retrieval and manipulation using Excel and Python
· Analyze pricing and customer data to identify opportunities for various markets
· Maintain overall DBMS for data accuracy and updating

Area Technical Manager | H.B. Fuller Company | Saint Paul, MN | May 2014 – Mar 2017
· Led adhesive optimization and savings projects with sales team – analyzed customer data
· Led customer and internal innovation projects for improved performance and savings
· Served as technical liaison between the sales team and the analytical lab
· Presented technical adhesive trainings to customers, internal sales, and technical teams

Research Assistant | OSU CETI Research Group | Columbus, OH | Sep 2011 – Feb 2012
· Programmed and maintained software for research data retrieval and accurate formatting
· Proposed methods of improved reading speed and comprehension in elementary students
· Communicated research results to affiliated professors and elementary school teachers

Teaching Assistant | OSU Physics Department | Columbus, OH | Oct 2008 – May 2014
· Assisted physics instructors with classroom preparations
· Developed educational physics labs and demonstrations with professor collaboration
· Created pedagogical physics simulations in Mathematica to improve comprehension

KEY PROJECTS

Data Clustering | General Assembly
· Gathered, cleaned, analyzed, and clustered single–malt scotch data using python and k-means clustering algorithm; mapped geographic locations; presented to general audience

Data Management Standardization | DIAGEO
· Led team in creating standard process of maintaining and analyzing data; created program in python to automate data cleaning

Adhesive Metering Systems | H.B. Fuller
- · Led project for developing automated adhesive metering device at customer sites; designed and programmed device for in-field use

Packaging Optimization | H.B. Fuller
- · Led project with a Fortune 500 customer to optimize all adhesive applications in their facility which amounted to an annual savings of over $100,000

Physics Demonstrations and Simulations | The Ohio State University Physics Dept.
- · Created quantum superposition, ideal gas, and other physics simulations using Mathematica for the classroom; collaborated with professors on teaching methods

TEACHING

Math and Physics Tutor | Care.com | Chicago, IL | Jan 2018 – June 2019
- · Teach and tutor high school students in mathematics and physics

Physics Teacher | OSU Engineering Department | Columbus, OH | May 2013 – Aug 2013
- · Taught a physics course to incoming freshman in the Minority Engineering Program

ESL Teacher | Columbus Literacy Council | Columbus, OH | May 2013 – Aug 2013
- · Provided English grammar and composition instruction to classes and individual students

CERTIFICATES

General Assembly Data Science	Mar 2017
R Statistics Essential Training	Jan 2017
Initiating and Planning Projects	July 2016
Introduction to Probability and Data	April 2016

SKILLS

Python · Mathematica · R · Julia · Java · C++ · C · Excel · VBA · Word · PowerPoint · Statistical Analysis · Data Visualization and Modeling · Object Oriented Programming · Calculus and Differential Equations · Linear Algebra · Physics · Writing & Reporting · Presenting