ADRIAN CELAYA

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EDUCATION

Rice University   **Houston, TX**
B.A. Computational and Applied Mathematics   August 2012 - May 2016

PROFESSIONAL EXPERIENCE

The University of Texas MD Anderson Cancer Center   **Houston, TX**
Research Intern , Advisor: David Fuentes   September 2020 - Present

- Current research focuses on developing computational tools for pretreatment planning, real-time monitoring, and real-time feedback of cancer therapies

U.S. Navy   **San Diego, CA**
Information System Security Manager   August 2016 - August 2020

- Led a team of highly talented cybersecurity analysts who oversaw the security and integrity of a $20,000,000 computer network consisting of roughly 4000 assets with zero intrusions or major incidents
- Implemented a comprehensive network security program that resulted in the organization's highest ever cybersecurity score when evaluated by external security auditors
- Received extensive training on computer and communication networks, cryptographic key management, and computer network defense
- Security clearance - Top Secret (TS)/Sensitive Compartmented Information (SCI)

OpenStax   **Houston, TX**
Institutional Relations Intern   May 2014 - August 2014

- Researched and developed pre-marketing reports for major clients such as the University System of Georgia, Stephen F. Austin State University, and Auburn University which helped lead to 38 adoptions and $1,077,200 in annual student savings
- Played an instrumental role in the maintenance of OpenStax's client database which contained over 86,000 members

Rice Univeristy   **Houston, TX**
Lab Assistant, Introduction to Engineering Computation (CAAM 210)   January 2013 - May 2013

- CAAM 210 introduces students to modeling, simulation, and visualization via Matlab, a popular scientific programming language
- Led a weekly lab to provide supplementary instruction to students and assistance with their weekly programming projects

RESEARCH INTERESTS

Optimization, numerical linear algebra, scientific computing, machine learning, image segmentation

AWARDS AND HONORS

Navy Marine Corps Commendation Medal   August 2020

SKILLS AND ACTIVITIES

Languages Spoken: English (native), Spanish (conversant)
Programming Languages and Software: Matlab, Python, C/C++, R, Tensorflow, Keras, Docker, LaTeX
Activities: CrossFit, long distance running