

ADRIAN CELAYA

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EDUCATION

Rice University

B.A. Computational and Applied Mathematics

Overall GPA: 3.70, Major GPA: 3.75

Relevant Coursework: Numerical Analysis I and II, Statistics and Probability, Graph Theory, Computational Science I and II, Intro. to Optimization and Operations Research, Real Analysis, Dynamical Systems, Differential Equations in Science and Engineering

Houston, TX

August 2012 - May 2016

PROFESSIONAL EXPERIENCE

U.S. Navy

Information System Security Manager

Bremerton, WA

January 2017 - Present

- Lead a team of 9 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

Institutional Relations Intern

Houston, TX

May 2014 - August 2014, May 2015 - August 2015

- 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
- Had a direct hand in promoting OpenStax's recent K-12 initiative that now makes up 15% of all textbook adoptions
- Interacted with clients and participated in strategy meetings
- Worked closely with the entire class of interns to develop a business strategy that could potentially compete with OpenStax

Mathnasium

Tutor

Boerne, TX

May 2013 - August 2013

- Assembled and carried out regular lesson plans for students ranging in age from 2nd to 12nd grade
- Communicated a wide range of mathematical concepts to students of all ages

Rice University

Teaching Assistant, Introduction to Computational Engineering

Houston, TX

January 2013 - May 2013

- Assisted students with their weekly projects
- Had an active role in teaching students the fundamentals of Matlab
- Engaged directly with faculty in meetings concerning student feedback and the improvement of the course

RESEARCH INTERESTS

- Numerical optimization, numerical linear algebra, high-performance computing, machine learning, computer vision

RESEARCH EXPERIENCE

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| The University of Texas MD Anderson Cancer Center
<i>Senior Design Project , Advisors: Beatrice Riviere, David Fuentes</i> | Houston, TX
August 2015 - May 2016 |
| <ul style="list-style-type: none">• Sought to develop non-invasive methodologies to differentiate between necrotic tissue and recurrent tumors in post-stereotactic radiosurgery patients• Applied state-of-the-art machine learning and computer vision techniques to large-scale, high-dimensional heterogeneous neuroimaging to predict patient outcomes | |

AWARDS AND HONORS

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|---|---------------------------------------|
| Battle Effectiveness "Battle E" Award
U.S. Navy | San Diego, CA
December 2018 |
| Global War on Terrorism Service Medal
U.S. Navy | San Diego, CA
April 2018 |
| Sea Service Ribbon
U.S. Navy | San Diego, CA
April 2018 |
| National Defense Medal
U.S. Navy | Newport, RI
December 2016 |
| J.S. Fulton Service Award
Rice University | Houston, TX
April 2015 |

SKILLS

- *Languages Spoken:* English (native), Spanish (conversant)
- *Programming Languages and Software:* Matlab, Python, C/C++, R, CUDA, OpenCL, Tensorflow, Keras, L^AT_EX