ADRIAN CELAYA

(956) 346-6109 | acelaya0@gmail.com | https://aecelaya.github.io

EDUCATION

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

PROFESSIONAL EXPERIENCE

U.S. Navy   **Bremerton, WA**
Information System Security Manager   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   **Houston, TX**
Institutional Relations Intern   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 K-12 initiative that now makes up 15% of all textbook adoptions

Mathnasium   **Boerne, TX**
Tutor   May 2013 - August 2013

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

Rice Univeristy   **Houston, TX**
College Lab Assistant (Labbie), Introduction to Computational Engineering   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

The University of Texas MD Anderson Cancer Center **Houston, TX**
Senior Design Project , Advisors: Beatrice Riviere, David Fuentes August 2015 - May 2016

- 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

SKILLS

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