

Madeline Leyva

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EDUCATION

University of South Florida, Tampa — *B.S. in Computer Science*

June 2017 - May 2022

Dean's List Honors. Specialized courses include Software Systems Development/Testing, Operating Systems, and Computer Animation.

University of South Florida, Tampa — *B.A. in Criminology*

August 2017 - May 2022

Specialized courses include Theories of Criminal Behavior, Research Methods, Forensic Psychology, and Crime and Justice in America.

RESEARCH EXPERIENCE

RAISE Lab, Tampa, FL — *Undergraduate Research Assistant*

July 2021 - May 2022

- Designed UI and plugins for nationally implemented educational mental health services application using JavaScript, HTML, and CSS on Adobe XD as well as PHP on WordPress.
- Served as the liaison between the Computer Science and Education departments to maintain productive communication and implement ideas effectively.

SPRUCE Lab, Tampa, FL — *Undergraduate Research Assistant*

August 2020 - May 2022

- Personally administered baseline research surveys to inmates as part of the booking process at the Pasco County Jail.
- Participated in PARC Jail study, coded for Serial Killers and Mental Health Facilities projects, completed Level 2 CJIS Security Awareness training and IRB Certification.

KEY PROJECT

Traffic Study — *Spring 2022*

- Developed and designed complex C# traffic Windows Forms simulation using the .NET framework within Visual Studio.
- Practiced Agile and Scrum methodology in the form of five sprints over 17 weeks aided by the use of Discord.

PUBLICATIONS

Leyva, Madeline. "A Lifetime of Literacy" *Digital Archive of Literacy Narratives*. Jan 2020. Digital.

SKILLS AND CERTIFICATIONS

Certifications:

TRA Level 1 - High Powered Rocketry, IRB Certification

Languages: Java, JavaScript, C89/C99, C++, C#, Python, HTML, CSS, PHP (WordPress)

Operating Systems: Windows 9X/NT/2K/XP/Vista/7

Other: Proficient with Autodesk Maya 2020 to the extent of rigging/modeling/animation and storyboard design.

AFFILIATIONS

Alpha Sigma Kappa Sorority Vice President and founding member for Spring 2020/2021 of a STEM-only women's based sorority.

Society of Women Engineers Member since August 2017.

Society of Hispanic Professional Engineers Member since January 2018.

Chi Omega Fraternity Assistant to the Director of Recruitment, Member from August 2017 to January 2019.