Dario Andrade Mendoza

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EDUCATION

Master of Science: Electrical and Computer Engineering January 2018 – May 2020
The University of Arizona   Tucson, AZ
 GPA: 3.66

Bachelor of Science: Mechanical Engineering August 2015 - May 2017
The University of Arizona   Tucson, AZ
GPA 3.54 (Cum Laude)

PROGRAMMING SKILLS

Web Programming – MERN Stack
- **Personal Site**
- Designed, built, and developed a responsive UI for a single page application utilizing reusable components and custom hooks to manage functional component states -- **React,js, SASS**
- Developed a RESTful API and implemented server-side middleware to handle incoming requests -- **Node.js, Express.js**
- Implemented server-side Authorization and Authentication using tokens and restricted API routes **– Node.js, Express.js**
- Developed Mongoose models for application data storage -- **MongoDB, Mongoose**
- Used environmental variables and credentials for application deployment - **Heroku + Firebase**
- Stored and retrieved static files in **AWS S3 Buckets**

Game Development – Unity Engine
- **Deployed Game: Tower Defense**
- Developed a Tower Defense game utilizing object-oriented software design principles of Single Responsibility and Open-close principles **– C#**
- Developed a Virtual Reality game interfacing with Oculus Go hardware and implemented feedback-based visual and auditory mechanics **-C#**
- Designed and implemented various algorithms commonly used in game development such as pathfinding, camera functionality, and collision detection **– C#**

Computer Programming for Engineering Applications - Coursework
- Selected appropriate data structures and algorithms to create software programs to solve engineering problems considering the asymptotic runtime**– C, C++**
- Developed an object-oriented model for a university and implemented a Graphical User Interface - **Java**
- Simulated the performance of multiple access protocols in wireless computer networks **-MatLab**

WORK EXPERIENCE

Upturn Editor   October 2020 – December 2020
Mijente   Los Angeles, CA (Remote)
- Coordinated translation of marketing materials for the Mijente's national election campaign
- Created a language style guide for uniform translation across projects
- Contributed to idea generation for native Spanish content to authentically connect with and reach spanish speaking communities across the country.

Graduate Assistant   August 2019-May 2020
Thrive Center | University of Arizona   Tucson, AZ
- Managed the Cultural Learning Communities Program responsible for mentoring 60+ first generation and low-income students of color
- Collaborated with the AASA (African American Student Affairs), NASA (Native American Student Affairs), APASA (Asian Pacific American Student Affairs) and Guerrero (Latinx) centers on campus to provide culturally informed content for program participants
- Provided direct support in curriculum creation for workshops on student success and cultural identity
- Supervised seven undergraduate peer mentors to support their corresponding students through sharing community resources and promoting listening-based mentorship

Graduate Assistant   August 2018- July 2019
Women and Gender Resource Center | University of Arizona   Tucson, AZ
- Supervised 14 undergraduate student interns as a co-director of the Students Promoting Empowerment and Consent (SPEAC) internship program
- Led the creation, implementation, and facilitation of curriculum/workshops on patriarchal masculinity and sexual violence prevention
- Re-designed, lead, and facilitated curriculum to engage various audiences of 60-150 fraternity men in sexual violence prevention topics
- Developed, lead, coordinated and implemented 2 film screenings in collaboration with various centers and student groups on campus with 40-80 guests in attendance for each

LEADERSHIP EXPERIENCE

ScholarshipsA-Z   Tucson, AZ

Development and Communications Lead   June 2020 - Present
- Guide ScholarshipsA-Z's fundraising campaigns as well as monthly donor stewardship and retention
- Guided the communication strategy for various fundraisers including DACA renewals, #WeAreISH, and #GivingToSAZ, - raising over $80,000
- Guide and support the implementation of communication practices as well as messaging and branding on ScholarshipsA-Z platforms.
- Update, maintain and design **ScholarshipsA-Z's website** using Wordpress CRM