# Mel Avina-Beltran

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## EDUCATION

- **UC Davis**                                                                                             Davis, CA
  *Bachelor of Science - Applied Mathematics; GPA: 3.00*                    *September 2019 - May 2023*
  **Courses:** *Applied Linear Algebra, Ordinary Differential Equations, Numerical Analysis*

## SKILLS SUMMARY

- **Languages**:     Python, R, C++, JavaScript, Bash
- **Frameworks**:   TensorFlow, Django, Flask, NodeJS
- **Platforms**:     Linux, Web, Windows, Arduino, Raspberry, AWS
- **Soft Skills**:   Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

- **Mathnasium**                                                                                            Hybrid
  *Math Tutor (Part-time)*                                                                  *Spring 2021 - Present*
  - Cultivated a positive student learning environment while administering Mathnasium curriculum to students in elementary, middle and high school.
  - Fostered students' confidence through assessment and diagnosis, development of learning plans, and documentation of progress.

- **UC Davis Math Department**                                                                  Remote
  *Student Assistant (Part-time)*                                                    *Fall 2020 - Spring 2020*
  - Invented a specialized systems dynamics software by creating a Google Chrome extension using Javascript to enable math modeling on Google Sheets.
  - Collaborated with team members, professor and students to run a heuristic evaluation on the graphical user interface the extension opened on Google Sheets.

- **Santa Monica College STEM Program**                                                  In-Person
  *Tutor and Peer Mentor (Part-time)*                                               *Fall 2020 - Spring 2020*
  - Assisted students with math, ranging from Elementary Algebra to Differential and Integral Calculus, by recommending textbooks, software, and learning materials to complement tutoring.
  - Met with and provided feedback to students using positive reinforcement techniques to encourage, motivate, and build confidence in students.
  - Created and facilitated Women of Color in STEM meetings, workshops, and panels to create community, resources and opportunities for underrepresented students.

- **UCLA Laboratory of Embedded Machines and Ubiquitous Robots**                      In-Person
  *Electrical Engineering Intern (Full-time)*                                                   *Summer 2019*
  - Presented at undergraduate research poster sessions and symposiums to gain experience in communicating to academic and non-academic audiences using diagrams, videos, and accessible language.
  - Collaborated with mechanical team to integrate mechanical, electrical and software components onto initial robotic paper boat prototype through weekly check-ins.
  - Constructed observational research study utilizing A4 paper, slide and dial widgets, and a user-friendly GUI, capable of testing Kindergarteners creativity and efficiency.

- **Proficia Engineering**                                                                               In-Person
  *Instructor and Electrical Engineering Intern (Full-time)*                          *Fall 2018 - Summer 2018*
  - Developed and lead 8-week Front-End Web Development Program for transitional age, housing insecure youth.
  - Facilitated a safe, supportive, and engaging environment that welcomed the various needs and learning styles of students to meet the end goal of creating a personal website.
  - Hands on experience with rapid prototyping platforms such as Raspberry Pi and Arduino for face detection and tracking using OpenCV, Python, and pan/tilt mounts.

## HONORS AND AWARDS

- Awardee of UC Davis Chicanx and Latinx Alumni Association's Student Scholarship - 2021
- Recipient of Youth LGBTQ+ Scholarship from Latino Equality Alliance - 2021, 2019

## VOLUNTEER EXPERIENCE

- **Internal Academic Officer at CALESS**                                                        Davis, CA
  *Secured $600+ per quarter to fund food and prizes awarded at weekly study jams.*          *Fall 2019 - Present*
- **Co-Facilitator at La Familia**                                                                    Davis, CA
  *Facilitated and attended meetings and workshops, including study jams and socials.*          *Fall 2019 - Present*