

# Nathan A. Maldonado

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## EDUCATION

- Duke University**, Durham, NC | *B.A. in Linguistics, Computer Science, and Psychology* **Expected May 2026**
- **University Scholar:** Full-ride merit scholarship funded by the Gates Foundation at Duke University;
  - **SPIRE Fellow:** Fellowship for high-achieving minority students in STEM;
  - **Huang Fellow:** Fellowship integrating ethics, policy, and social implications into scientific research;
  - **SOL Fellow Awardee:** A national leadership program for students interested in implementing systemic political change.
- Clovis North High School**, Fresno, CA **Aug 2018 - Jun 2022**
- *Honors/Awards:* Valedictorian, California Scholarship Federation, Lifetime Perfect Attendance, California State Seal of Biliteracy: Spanish and French

## WORK EXPERIENCE

- Duke University**, *Huang Research Fellow*, Durham, NC **May 2023 - Aug 2023**
- Investigated the relationship between corpus adjustments and bias production in artificially generated text
  - Collaborated with field specialists to define the creative limitations of chatbots in creative arenas
  - Attempted solution designs for expanding corpora for low-resource languages, including K'iche' Maya
- Assistive Technology Project**, *Officer*, Fresno, CA **Aug 2020 - Jun 2022**
- Engineered assistive technology with 3D printing designs for 10+ local students with special needs
  - Devised mock designs for the critique of these special needs students to then be adapted
  - Arranged weekly meetings with special needs students and design staff of 10+ members
- American Ambulance**, *Hackathon Coordinator*, Fresno, CA **Mar 2021 - May 2021**
- Planned a Hackathon in Fresno region to streamline a COVID vaccine distribution system
  - Oversaw communication with guest speakers and 5+ local businesses to host relevant seminars
  - Facilitated communication and budgetary matters with American Ambulance and Precision Plastics as sponsors

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

- Tulane Mayan Language Institute**, *Undergraduate Fellow*, Quetzaltenango, Guatemala **May 2024 - Aug 2024**
- Researched native Guatemalan histories in K'iche' Maya to service broader indigenous revival efforts
  - Engaged with local scholars to discern issues regarding language identity and prosperity
- American Red Cross**, *Representative*, Fresno, CA **Aug 2020 - Present**
- Organized emergency packages for local wildfire victims, primarily veterans
  - Coordinated student participation in planned activities and attracted approximately 30 new members
- Bull City Scholars**, *Academic Volunteer*, Durham, NC **Jan 2023 - Present**
- Served as a Spanish translator (ESL) at Neal Magnet Middle School for mathematics courses
  - Personalized adaptive teaching strategies to meet the needs of students and to facilitate guidance

## SKILLS & INTERESTS

Technical Skills: Microsoft Office Specialist, Front-End (HTML, CSS, JavaScript), Google Apps, Java, C++, Python  
Languages: Fluent Proficiency in Spanish, Conversational French, Conversational K'iche'  
Interests: Psychological Thrillers, Alternative Music, Activism, Knitting, Camping

## REFERENCES

Astrid Adele Giugni, Lecturing Fellow of English at Duke University ([astrid.giugni@duke.edu](mailto:astrid.giugni@duke.edu))  
Victoria Lodewick, Director, University Scholars Program at Duke University ([victoria.lodewick@duke.edu](mailto:victoria.lodewick@duke.edu))