

Angel Elliott Ulloa

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EDUCATION

Instituto Tecnológico de Mexicali

08/2020–12/2022

M.S. Computer Science, Magna Cum Laude

Mexicali, BC, MX

- Specialized in machine learning and LLMs.
- Published peer-reviewed research as leading author:
 - Designed, pretrained, and fine-tuned a BERT LLM to detect violent social media content, outperforming the current literature (acc. 84.5%). Available in Springer's *SNAM*.
 - Reviewed engineering solutions to violence against women and children. available in *IEEE Access*:
- **Programming:** Python (PyTorch, Transformers, SpaCy, Numpy, Pandas). **Containerization:** Docker.

University of California, Los Angeles (UCLA)

09/2015–06/2019

B.S. Mathematics with a Specialization in Computing

Los Angeles, CA, USA

WORK EXPERIENCE

Crimson Education

06/2024–Present

Capstone Leadership Project Advisor

Remote, USA

- Manage the execution of 70+ long term projects by high school students interested in software and hardware engineering, podcasting and social media content creation, film, business, and education.
- Design individualized roadmaps for high schoolers to develop websites, mobile applications, and video games by leveraging a mix of coding and no-code tools:
 - **Version control:** *Git, Github.*
 - **No-code UI Design:** *Figma, Figma Make, Canva, Lovable, Bolt, SquareSpace, Wix.*
 - **Animation:** *Blender, 3DS Max, GSAP, Anime.js, Motion.js.*
 - **Video game development:** *Unity, Godot 4.*
 - **Frontend:** *React (Next.js), React Native (Expo), JavaScript, CSS, HTML, Swift, SwiftUI.*
 - **Backend:** *Node.js, Supabase, AppWrite, PostgreSQL, SQLite.*
- Featured projects:
 - **Mintable:** A crossplatform personal budgeting app coded with *Node.js, React Native (Expo), Tailwind CSS, and Anime.js*. It has 100+ downloads.
 - **Source Closet:** A website of rare historical sources coded with *Python (Flask), SQLite, Motion.js, and OpenAI's RESTful API*. It has 200+ users.
 - **Tumor Minutes:** 10th most popular biology podcast in Canada!
- Recipient of the 2024 Rising Star Advisor award.

Fullstack Developer

- Maintain Crimson Education's large database of capstone students, mentors, and projects with *Supabase* and *PostgreSQL*.
- Sole person in charge of fixing bugs and implementing new features into Crimson Education's Capstone Mentor Console, a website coded with *Lovable, Node.js, React, Vite, Tailwind, Supabase's RESTful API, and Github CLI* for version control.

American Mathematical Society (AMS)

01/2024–05/2024

LaTeX Support Specialist

Providence, RI, USA

- Edited the *LaTeX* code of over 500 mathematics research manuscripts in compliance with the AMS production standards with tools like *Emacs, Subversion*, and the command line.