

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, and AppWrite. 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.