

# Cosme G. Boisset

## Software Developer

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### SKILLS

#### Programming Languages

TypeScript, JavaScript, Java, C, x86 Assembly

#### Frontend

React, React Native, Expo, TanStack Query, TanStack Router, Redux Toolkit, Tailwind CSS, SCSS

#### Backend

Django, RESTful APIs

#### Infra

Docker, Nginx, Linux, Git

#### Spoken Languages

French (native), English (native)

### EDUCATION

#### University of New Orleans

B.S. Computer Science  
GPA 3.7 | Major GPA 3.87  
Expected Fall 2026

#### CUNY BMCC

A.A. Liberal Arts  
Dean's List | 2017–2019

### COURSEWORK

Data Structures, Algorithms Analysis, Systems Programming, Computer Architecture, Assembly Languages, Cryptography, Database Systems, Computer Networks, Physics I & II, Digital Forensics

### ACTIVITIES

UNO Cybersecurity Club

### WORK EXPERIENCE

#### Web App Developer

July 2025 – Jan 2026

*GulfSCEI Research Center — University of New Orleans*

- Rebuilt the Pipewatch-AI frontend in React (Vite), TypeScript, and Tailwind CSS from scratch, cutting page load time and enabling UI iteration independent of the legacy codebase.
- Integrated TensorFlow/PyTorch ML outputs into the production pipeline, coordinating with a PhD researcher and enabling real-time result visualization for the research team.
- Architected a multiservice Docker Compose environment spanning frontend, backend, ML services, and Nginx reverse proxy.
- Refactored Django REST API endpoints in preparation for a backend migration to Ruby on Rails.
- Authored cross-team technical documentation that improved knowledge transfer between research and engineering, reducing onboarding time for new contributors.

#### Freelance Web Developer

Dec 2021 – June 2024

- Shipped React web and mobile applications across multiple client engagements, owning the full project lifecycle from scoping to production deployment.
- Partnered with clients to define technical requirements, evaluate solutions, and align on delivery timelines.
- Diagnosed and resolved production issues on live client sites, frequently serving as the sole technical point of contact.

### PROJECTS

#### Grasplt

BrainJam Hackathon 2026, UNO — 1st place, \$2,000

AI-powered lecture assistant. Engineered a real-time audio transcription pipeline that auto-generates notes and flashcards via the Claude API. Built full-stack in 48 hours with React/Vite/Tailwind and Django.

#### Cobbl

React Native, Expo, Python Backend

Photo and video sharing app. Sole frontend engineer for 18 months, built the full React Native/Expo UI from scratch: media capture, feed rendering, and all core user flows, integrated against a Python backend API.

#### Event Platform

React, SCSS, Netlify

Livestream platform. Translated Figma mocks into a production web app and built a Vimeo-integrated archive that programmatically populates past event cards.

#### HasDID.io

Bootstrap, CHIA Blockchain — 1st place

Personal DID tool for NFT marketplaces on the CHIA blockchain. Competed remotely with a developer and UX designer, coordinating entirely over git, and placed 1st overall.