

## Diego Cabello – Resume

Diego Cabello is a 20-year old software engineer currently working on embedded systems at XRGeneralHospital in Ann Arbor, MI, and is planning to relocate to continue working in tech.

Website: [diegocabello.com](http://diegocabello.com) | Email: [diego.cabello091@gmail.com](mailto:diego.cabello091@gmail.com) | Github: [github.com/diegocabello](https://github.com/diegocabello) | 7206074142

### Professional Experience

XRGeneral Hospital – Ann Arbor, MI | Embedded Systems Engineer | Nov 2024 – Present

- Developed embedded firmware for “BERT” diagnostic tools using ESP32 and STM32 microcontrollers.
- Did product assembly, EOL testing, and hardware validation; wrote C++/Arduino code for hardware control.
- Conducted market research for embedded diagnostic devices.

Premier Sound Services – Baton Rouge, LA | Technical Contractor | Feb 2023 – July 2023

- Installed professional audio systems across venues in Louisiana.
- Gained practical experience with high-voltage electrical systems

### Projects

All projects and source code demonstrated at [diegocabello.com](http://diegocabello.com)

- ENTS (Extendable Nested Tagging Schema) – Source [github.com/diegocabello/prlents](https://github.com/diegocabello/prlents) or install `nix profile install github:diegocabello/prlents`. Custom file schema → Haskell parser → plaintext JSON db → Rust CLI/Ncurses TUI
- Sculblog – Static site blog generator. Built portfolio website with it. Features one-command post creation and updating, draft history logging, and listings for multiple pages. Easier to use than other SSGs like Hugo
- BERT diagnostics tool for XRGeneral Hospital
- Arduino LCD1602 Boolean Calculator
- Twitter Scrapers

### Formal Education History

*Currently working full-time; intend to complete bachelor's degree after relocating*

Washtenaw Community College – Ann Arbor, MI | Aug 2023 – Apr 2024

Louisiana State University – Baton Rouge, LA | Aug 2022 – May 2023

- Recipient of Presidential Scholarship, Graphic design major
- Clubs: “Ratio Christi” (apologetics + debate), CEO (Collegiate Entrepreneurship Organization)
- Co-Founded “Wonder Clothing”

Detroit Catholic Central High School – Novi, MI | Aug 2018 – May 2022

- 3.9 cumulative GPA, 33 ACT, 1480 PSAT, recipient of Fr. Gabriel Richard honors award 3x, participation in Stocks and Markets club outside school, participation in Cross Country, Track, and quizbowl, 19:30 5k time

### Start-up Experience

Wonder Clothing – Baton Rouge, LA | Co-Founder | Nov 2022 – Aug 2023

- Launched e-commerce clothing brand with team of 5 from LSU's CEO club.
- Was in charge of website development, logistics, fulfillment, and product design
- Also involved in vendor sourcing, investment outreach, and legal setup

### Technical Skills

- Languages: Python, JavaScript (React.js, Next.js, Node.js), C/C++ (ncurses), SQL (Postgres + SQLite), HTML/CSS (tailwind), PHP, Rust
- Platforms: AWS, Vercel, Apache, Arduino, STM32, ESP32
- Workflow: Git, Vim, Bash, Nix, grep/sed
- Also familiar with: Haskell, LLaMA, Stable Diffusion
- Excellent technical documentation (see portfolio); strong memory and communication

### Interests

- Running, Reading, Writing, Evolutionary Biology, Game Theory
- Books read recently: *Discrete Mathematics and Its Applications*, *Introduction to Algorithms*, *Democracy in America*, *Seneca's Letters*, *The Art of Unix Programming*, *An Appetite for Wonder*, *Freud's Three Essays*