Eduardo Umaña Gómez
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WORK EXPERIENCE
Founder and Lead Software Engineer, Pixelalogic LLC, Miami, FL: Jun 2021 – Present (**Pixelalogic**)
- Lead full-stack development using a variety of front-end, back-end, and cloud solutions to create scalable, secure web and mobile software that effectively addresses complex business requirements.
- Published to the App Store and currently maintain an iOS app (React Native) and internal dashboard (React/Node) for a food delivery company, driving a threefold increase in sales and processing 90% of revenue. (Watch Demo)
- Delivered an inventory management platform providing visibility into coffee crops in LATAM (React/MaterialUI/Node), streamlining order placements and reducing employee PO handling time by 80%, while cutting order delays in half.

Founder, VAC Air Brewers, Miami, FL: Jun 2017 – Jun 2023 (**VAC Air Brewers**)
- Founded VAC Air Brewers, invented and patented (US Patent Number 11,759,045 B2) the first coffee maker for home-use that reduces cold brewing time from 12 hours to 4 min. Awarded "Best Cold Brew Maker '21" by Esquire Magazine.
- Executed a successful Kickstarter and Indiegogo campaign, achieving $181K in pre-orders.
- Successfully drove sales into the seven-figure range and managed a highly profitable operation, achieving a robust 40% margin across 16 international markets and six national retailers including Williams Sonoma.
- Hired and managed six direct reports across finance, marketing, sales, and operations.
- Spearheaded the successful negotiation and sale of the business and IP portfolio to Minnesota-based Escali Corp., securing a substantial lump-sum payment and ongoing royalties, which underscored the company's significant market value and technological potential.

Founder, Classic Engineering, San Francisco, CA: April 2015 – August 2017 (**Classic Engineering**)
- Designed and launched two consumer products, classic VARIO (watch) and classic MÖBIUS (enchanted lamp) scaling to +120K of annual revenue and sold > 1K products across the portfolio including at SF MoMA.
- Built a global supply chain across 7 countries in APAC and EMEA to ramp up production of portfolio.
- Hired and managed 2 direct hires across functional areas in product, marketing, and customer service.

COMPUTER SCIENCE PROJECTS
Food Delivery iOS App, Internal iOS App, and web dashboard: React/Native, Node, Express, Redux, MongoDB
- Developed from scratch a customer-facing iOS App for ingesting orders, a separate internal iOS app for navigation and delivery which sends notifications to customers with image confirmation, and a web dashboard for order and menu management (Watch Demo).
- Designed UI/UX and branding for the mobile and web apps.
- App tripled sales for the business, currently processing 95% of total revenue.

Cloud Coffee Inventory Manager: React, Material UI, Redux, Node, Express, MongoDB
- Developed a transformative coffee inventory management system, enabling coffee growers in LATAM to list available crops and receive orders on a centralized platform, thereby enhancing visibility and market reach.

FoodRunner App: React, Node, MongoDB
- Developed a prototype React app for ordering food from food trucks.

Design of Embedded System for Sound Processing: C Programming Language, Mbed, Cortex M4 processor
- Implemented DSP algorithms to filter noise and identify sound signals.
- Programmed and designed the PCBA based around a Cortex M4 processor and MEMS technology microphone.

Parallel implementation of cellular automaton: C Programming Language
- Used POSIX Threads to implement a parallel version of Conway's Game of Life.

Oracle of Bacon: C++
- Implemented a Graph data structure to read and store the IMDb movie database.
- Implemented graph algorithms to find the degrees of separation between an actor and Kevin Bacon.

PATENTS
"Portable Negative Pressure Extraction Coffee Machine" - Inventor: Eduardo Umaña, Issued Sep 13, 2023.
- US Patent Number 11,759,045 B2.

PUBLICATIONS AND MEDIA APPEARANCES
"*These Latino Millennial Entrepreneurs Want to Change the Way you Drink Coffee"* – Forbes, 2021 (link)
"Estos Jovenes Latinos Crearon una Maquina Para Extraer Café al Vacío" – Telemundo, 2021 (TV link)
"**Eduardo Umaña on his brand Classic Engineering"** – Monocle, Monocle on Design, 2017 (link)

EDUCATION
Full Stack Software Engineering Immersive, General Assembly, November 2022
Bachelor of Science: Engineering, Swarthmore College, May 2015

SKILLS & TOOLS
Languages: JavaScript/TypeScript, Python, C, C++, HTML, CSS, MATLAB
Technologies: React, React Native, Redux, Node, Express, MongoDB, Mongoose, PostgreSQL, AWS
Tools: VS Code, Git, Mbed Studio IDE, VIM, Adobe Illustrator, Adobe PhotoShop
Languages: German (Intermediate - CEFR B2+), Spanish (Native)