

# Eduardo Umaña Gómez

954-980-3024 | Miami, FL | [eduardo.u@outlook.com](mailto:eduardo.u@outlook.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

---

## COMPUTER SCIENCE PROJECTS

**Food Delivery iOS App, Internal Delivery iOS App, and CMS Dashboard:** React/Native, Node, Express, Redux, MongoDB

- Developed and published to the App Store ([Link](#)) 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 CMS dashboard for order, menu, and push notification management ([Demo](#)).

- Implemented Stripe Payments, Apple Pay, Apple APN. Designed UI/UX and branding for 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.

**Car Collector:** Python, Django, PostgreSQL, Docker, Heroku ([Link](#))

- Implemented a full CRUD app that authenticates and allows users to build a car collection.
- Users can keep track of car maintenance status and car tires for each car in the collection.

**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 a 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.

## WORK EXPERIENCE

**Founder and Lead Software Engineer, Pixelallogic LLC, Miami, FL:** Jun 2021 – Present ([Pixelallogic](#))

- 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 CMS dashboard (React/Node) for a food delivery company, driving a threefold increase in sales and processing 95% of revenue. ([Dishigood](#))
- 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 \$181,000 dollars 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.

## 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

**Interests:** Watches, love mechanical watches! Yoga, long distance walking, family life, and cooking with my wife.

**Languages:** German (Intermediate - CEFR B2+), Spanish (Native)