Hector Cordero

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EDUCATION

University of Central Florida — Orlando, FL
Bachelor of Science in Computer Science — *Expected Spring 2028*
Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Linear Algebra, Calculus I, II, III

EXPERIENCE

KJewels — Sep. 2025 – Present
Co-Founder — *Orlando, FL*
- Developed the e-commerce site by building in **Next.js (App Router) + React**, wiring **NextAuth.js** (email/Google), modeling data in **Prisma on Vercel Postgres**, and deploying to **Vercel** with preview builds.
- Built launch awareness, measured by **5,000 views** on our first Instagram post, by planning a simple content calendar, asking student orgs/friends to repost, and testing captions/hashtags.
- Coordinated with a partner to raise **$7,000** in the first 3 months by posting **3×/week** and tracking income/expenses in an **Excel/Sheets** log tied to sales receipts.

AAB Styles — Jun. 2025 – Aug. 2025
Front-End Developer Intern — *Plantation, FL*
- Improved storefront speed and first impression, implementing faster page opens on web and smoother first-screen render, by rebuilding product/home pages in **React + Tailwind**, and removing blocking scripts.
- Made product discovery instant, achieving **200ms** filter/sort updates across **150 SKUs** (products), by adding client-side **filtering/sorting** and optimizing images with **lazy loading** and responsive sizes.
- Shortened checkout, from **7 to 4 clicks** in a sample purchase flow, by simplifying navigation and keeping cart state in sync with **React Hooks/Context**.

Undergraduate Research Study — Sep. 2023 – Mar. 2024
Sports Analytics Independent Study — *Davie, FL*
- Assessed training impact, measured by pre/post 2-mile times and weekly splits (ages 16–18), by running a **6-week** pilot comparing a plyometric plan to usual training and logging data via **Excel/CSV**.
- Built a reproducible analysis, measured by a re-runnable notebook that generates all tables/plots, by cleaning data in **pandas**, computing pre/post deltas + summary stats, and visualizing trends with **Matplotlib**
- Communicated results, measured by a **4,250-word report**, by documenting methods, consent, limitations (small sample, not randomized), and outlining next steps for a scaled randomized study.

PROJECTS

InsureFair | *React, JavaScript, CSS, HTML, GitHub* — Sep. 2024
- Coordinated with 3 teammates to ship an MVP web app that estimates whether a life-insurance plan is financially favorable by comparing a user's monthly payment with their life-expectancy input.
- Built the core calculator UX, measured by a single-page form with instant results, by implementing stateful **React** components and client-side logic to keep inputs and outputs in sync.
- Delivered on a **hackathon** timeline, measured by a working demo and code in a public repo, by scoping features to essentials and collaborating via **GitHub** during **ShellHacks 2024**.

LEADERSHIP / EXTRACURRICULAR

KnightHacks — August 2024 – Present
Active Member & Mentee — *University of Central Florida*
- Participated in the KnightHacks hackathon, measured by hands-on prototyping and mentor feedback over the weekend, by joining a team, splitting tasks, and practicing rapid, sprint-style development.
- Mentorship and leadership track, measured by biweekly mentor sessions and monthly feature milestones, by building small **Next.js/React** projects and volunteering at events as I pursue a **2025 board role**.

TECHNICAL SKILLS

Programming Languages: Python, C, HTML, CSS, JavaScript, TypeScript
Tool & Frameworks: React, Node.js, NextAuth.js, PostgreSQL, Vercel, GitHub Actions, SQL, Tailwind CSS, Prisma, FastAPI, Git, Firebase, Excel, VS Code, Matplotlib