

Justin Cordova

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EDUCATION

New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in Computer Science

Expected December 2026

- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Database System Design & Management, Cybersecurity, Programming Language Concepts
- Awards: Highlander Achievement Scholarship, Dean's Scholar

EXPERIENCE

Software Developer Intern

Aug 2025 – Present

Pure Technology Inc.

Remote

- Reduced database bloat from legacy data accumulation by building a **C#** cleanup utility that processes **100K+** outdated entries, cutting storage costs by **40%** and improving query performance by **25%** compared to legacy execution times.
- Architected **layered backend** (data/service/UI) with **dependency injection** and **NHibernate ORM**, enabling **batch operations** at **1M+ records/hour** while maintaining transactional integrity.
- Delivered **WinForms** interface with **SQL connection pooling**, table selection, change preview, and **atomic rollback**—allowing customers to safely execute production cleanup operations.
- Implemented automated unit tests using **NUnit** for critical data processing modules, achieving **90%** code coverage and preventing regression issues during deployment.
- Authored comprehensive technical documentation for the cleanup utility and database schema changes, reducing onboarding time for future maintainers by **30%**.

Full-Stack Developer Intern

July 2025 – Aug 2025

AbeScott Enterprises

Remote

- Architected **cross-platform transportation aggregator** unifying **multiple ride-sharing APIs** (Uber, Lyft, DoorDash) into a single user interface for seamless service comparison.
- Designed **RESTful API** backend using **Node.js** and **Express** with **Supabase authentication**, achieving **sub-200ms** average response time across all endpoints.
- Enhanced system security by implementing environment variable management and input validation middleware, securing user data against **SQL injection** and **XSS** vulnerabilities.
- Optimized **React** component rendering lifecycles to handle real-time price updates from multiple APIs, eliminating UI lag and ensuring a smooth **60fps** user experience.

PROJECTS

Findu | *React Native, Expo, Node.js, Express, Supabase, PostgreSQL, Stripe*

July 2025 – Present

- Building **full-stack** college dating app with **campus-exclusive authentication** through **.edu email verification**, real-time messaging, and swipe-based matching interface.
- Constructed **component-based mobile UI** in **React Native** with **Zustand state management**, integrating **Stripe payments** for premium subscription features and monetization.
- Designed **weighted matching algorithm** processing **10+ user attributes**, achieving **70% match acceptance rate** and reducing average time-to-match by **40%**.

Bunso | *React, Node.js, Express, MongoDB*

May 2025 – July 2025

- Shipped **full-stack social media platform** with **real-time** post creation, nested commenting system, and direct messaging functionality.
- Implemented **JWT authentication** with **rate limiting** (100 requests/min) and structured logging to ensure system reliability.
- Optimized React frontend with **pagination** and **query result caching**, reducing page load times by **60%** and database query load by **50%**.

Student Depression Prediction | *Python, Pandas, NumPy, Seaborn, Scikit-learn, Matplotlib*

Apr 2025

- Developed **supervised ML models** to predict student depression using academic and social data from **Kaggle**.
- Trained **Logistic Regression (78.3% accuracy)** and **Random Forest (76.3% accuracy)** models using **GridSearchCV** for hyperparameter optimization.
- Visualized **classification metrics** and **confusion matrices** for performance evaluation.

TECHNICAL SKILLS

Languages & Databases: C#, JavaScript/TypeScript, Python, C, MySQL, PostgreSQL, MongoDB

Frameworks & Libraries: .NET, EF Core, NHibernate, NUnit, WinForms, React, React Native, Expo, Node.js, Express, Next.js, Django, Tailwind CSS, Prisma, Zustand, Redux

Developer Tools: Git, Postman, Jupyter Notebook, Docker, Jest, NUnit

Data/ML: NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib