NICK DUNCAN

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education

2024 - 2026 **HARVARD BUSINESS SCHOOL**   **BOSTON, MA**
Candidate for Master of Business Administration, May 2026. Member of Tech Club, AI Club, Education Club.

2016 - 2020 **UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**   **CHAMPAIGN, IL**
Bachelor of Science in Mechanical Engineering with High Honors. STEM Lab Aide and Math Tutor at Booker T. Washington STEM Academy.

experience

2023 - 2024 **PIN (POWER IN NUMBERS)**
Founding Engineer
Co-led engineering efforts as one of 4 employees. Managed product lifecycle, contributed to product roadmap prioritization, and polished design and copy across materials. Seed led by Initialized Capital, $5.6M total raised.

- Saved over $10,000 per year by developing a digital signing feature that replaced Docusign integrations in app
- Architected a scalable, multi-region chat system supporting threads, rich text, and attachments for 1000+ users
- Eliminated over 90% of onboarding pages by developing a dynamic, single-page intake form
- Reduced engineering bug response time by over 90% via automated logging, monitoring, and alerts
- Improved app page load times by up to 70% by relocating databases closer to servers and utilizing UI skeletons

2022 - 2023 **FANHOUSE**
Software Engineer – Mobile App Lead
Led mobile development, overseeing iOS/Android codebase for 80k+ monthly active users (MAU). Managed feature releases and team growth while maintaining code quality and product roadmap. Managed 2 direct reports. Series A led by a16z, $21.3M total raised. Acquired by Passes in August 2023.

- Generated $700k+ monthly revenue by launching the Locked Posts feature as tech lead of cross-functional team
- Reduced codebase by 10% without losing functionality by refactoring codebase and eliminating duplicate code
- Developed and shipped 20 new mobile app features and various new backend API endpoints
- Architected and launched MVP AI chatbot app, shipping two chatbots to iOS and Android within 1 month

2020 - 2022 **RAYTHEON TECHNOLOGIES (RTX)**   **EVERETT, WA; OKLAHOMA CITY, OK**
Engineering Leadership Development Program Associate

Software Developer – Engine Health Management, Pratt & Whitney
Led frontend development for dashboards tracking key trends from flight data across 2000+ engines, collaborating with cross-functional teams for continuous product enhancement.

- Strengthened product alignment with customer needs by conducting regular interviews to gather feedback
- Developed an automated script to validate machine learning prediction data against reported data

Project Engineer, Collins Aerospace
Led testing and qualification of touchless kits for Boeing 737 lavatories, managing development, certification, and release processes for over 30 new product kits. Ensured FAA compliance while meeting tight schedule demands.

- Managed all 4 testing and qualification tests (DO-160, cycle, abuse, software) for each product kit

Associate Project Manager, Collins Aerospace
Owned testing activities for a $4M product development project undergoing ambitious schedule compression.

- Managed budget and schedule risk through collaboration with internal stakeholders and external vendors
- Ensured 500+ parts were procured and on-dock per program schedule by leading supply chain coordination

Repair Design Engineer, Pratt & Whitney
Designed technical repair procedures for military aircraft, coordinating cross-functional teams to gather constraints and meet stringent technical requirements.

- Authored 5 technical repair procedures to allow for the replacement of unserviceable parts on the F135 jet engine
- Inspected 30 individual parts from the F135 engine to qualify damage and determine the parts' serviceability

technical

Languages: TypeScript, JavaScript, Swift, Dart, Python, SQL, HTML, CSS, MATLAB

Tools/Frameworks: React, Remix, Xcode, SwiftUI, Flutter, React Native, Firebase, Google Cloud, MongoDB

personal

Enjoy judo, board games, golf, cooking, hiking, fitness, gaming, fishing, basketball, baseball, ukulele