

Ian Heraty

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Summary

Relentless tech innovator, founder, and educator with a track record of bringing bold ideas to life. Proficient in scaling software solutions across web, mobile, and hardware platforms—driven by a first-principles approach to problem-solving. Polyglot developer adept at managing teams, and unafraid to tackle uncharted technical challenges. Seeking impactful missions that require visionary thinking, rapid execution, and uncompromising quality.

Education

University of Notre Dame

2009 – 2012

Bachelor of Arts (BA)

Professional Experience

Discovery Partners Institute

Jan 2023 – Present

Software Development Educator, Chicago, IL

- Designed and led advanced curriculum for full stack software development, instilling real-world engineering practices and innovation mindsets.
- Mentored diverse cohorts of aspiring technologists, focusing on software development fundamentals, rapid prototyping, and problem-solving.

Big Green Company

Sep 2020 – Present

Co-Founder, Chicago, IL

- Spearheaded an AI-driven platform to digitize and analyze receipts, harnessing machine learning for real-time insights.
- Oversaw strategy, product development, and deployments to rapidly iterate on cutting-edge solutions.

Nerdery

Mar 2017 – Sep 2020

Senior Software Engineer, Chicago, IL

- Engineered software solutions in React, TypeScript, .NET C-sharp, Swift, Objective-C, Python and more, deploying globally to thousands of end-users.
- Developed .NET Core (C#) microservices in Azure, ensuring scalable, fault-tolerant back-end solutions.
- Championed agile best practices and cross-team communication

Mi-Jack Products

May 2016 – Mar 2017

Software Engineer, Homewood, IL

- Created a Python/Raspberry Pi mobile app to service “power-in-lock” container shipping smart locks. Deployed a mobile solution for lock status, config, logs, and firmware updates.
- Built an automated testing framework in .NET C# to detect defects on manufactured smart locks, ensuring robust quality control across production lines.
- Coordinated *Mi-Star V2* development among stakeholders, driving engineering discussions, writing requirements, and integrating creative solutions.

Freelance iOS Developer

Jan 2016 – Mar 2017

- Launched 3 successful iOS apps on the App Store, leveraging Swift, MapKit, and custom game engines (cocos2d).
- Collaborated with international developers to produce engaging games (e.g., *GoChickenGo*, *Ginger-Cat*), employing physics engines and accelerometers for interactive user experiences.

Additional Roles

imoo

Jan 2016 – Jun 2016

Software Localization Consultant

- Adapted English-language Android/iOS watch apps and firmware to Thai market, ensuring seamless user experiences.
- Contributed linguistic and technical expertise to optimize cross-cultural product adoption.

Nanshan Second Foreign Language School

Aug 2012 – Apr 2016

Teacher, Shenzhen, China

- Managed 15 large classes/week, developed “A for the Day” grading system—drastically improved student engagement.
- Gained professional-level Mandarin, refining cross-cultural communication and leadership in a high-intensity environment.

Early Experience

University of Notre Dame Phone Center

Sep 2009 – Jul 2012

Caller

- Raised \$100K+ across 5 semesters by cultivating strong alumni relationships and demonstrating persuasive negotiation skills.

XR Trading

Aug 2011 – Jan 2012

IT Intern, Chicago, IL

- Installed, configured, and troubleshoot PC hardware/software for a high-frequency trading firm, honing rapid problem-solving under mission-critical conditions.

Key Skills & Languages

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- **Programming Languages:** Ruby, Javascript
 - **Frameworks:** Rails, Stimulus
 - **Methodologies:** Agile, Scrum, End-to-End Product Development
 - **Spoken Languages:** English (Native), Chinese (Professional), German (Limited), Spanish (Elementary)
 - **Additional Highlights:** Nerdery Texas Hold'em Champion (2019, 2018)