

Nathan Andersen

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Product Manager | App Developer | Data Engineer

Excel at both technically sophisticated product development and inter-disciplinary collaboration. Unwavering focus on user needs and bottom-line impact throughout product lifecycles—from conception through development, launch, testing, and iteration. Experienced in range of industries—quantitative trading, digital printing, food services, and higher education—and in types of businesses—from startups to well-established companies.

Work Experience

Quantitative Developer (Jr.)

Jul. 2018 - Present

AKUNA CAPITAL

Boston, MA

Specialized in Python dataset construction for this quantitative trading firm. Designed and built research datasets that improved access speeds up to 100x over prior APIs. Also rebuilt live trading P&L breakdown tool that expanded coverage and performance, from single-desk tool to high-visibility dashboard monitor for 100% of traders. Enabled live access to more sophisticated analysis of trading patterns.

- Collaborated with cross-function stakeholders (traders, researchers, developers) to design database schema, data generation applications, and access patterns.
- Implemented generic file-based Map-Reduce Python framework to parse daily trading parameter and market data into more easily accessible research formats.
- Helped onboard Boston new-hires, acting as secondary resource for trading theory and strategies. Held several small seminars and weekly check-ins.

Founder & IOS Engineer

Feb. 2016 - Jun. 2018

ANDERSEN MOBILE LABS

Williamstown, MA

Conceived, built, launched, and iterated Eph Meals, iOS native (Swift) app for Williams College Dining Services. Unlike previous access through mobile-unfriendly website, this app featured simple access to daily menus. One month post-release, 50% of student body was using app; close to 100% within four months.

- Met with dining services and college IT department to determine data availability and optimal structure. Ultimately created native app around undocumented daily CSV.
- Marketed app through word-of-mouth referrals and college daily newsletters.
- Engaged with other students weekly for feedback in iterative update process.

Software Engineer Intern

May '15 - Sep. '15, Jun. '16 - Nov. '16

VISTAPRINT US / CIMPRESS

Waltham, MA

Worked as software engineer at this custom-printing company. Built full-stack design-auditing app that resulted in \$5M in cost savings by reducing factory-printing mistakes.

- Customer service agents used this app to identify products likely to cause printing issues and enabled proactive customer service.
- Met with various stakeholders – plant supervisors, customer service agents, customer experience representatives – to gather requirements and design app structure and interface.

Teacher's Assistant

2015-2017

WILLIAMS COLLEGE

Williamstown, MA

Worked one-on-one and in small groups to help students master introductory computer science and more advanced probability courses. Focused on Python and Java. Demonstrated cross-discipline importance of concepts, especially for students pursuing degrees in other major disciplines.

Education

Williams College

Williamstown, MA

B.A. MATH, B.A. COMPUTER SCIENCE

Jun. 2018

Men's Lacrosse, 2014-2016.