

## Ben Myers

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### EDUCATION

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#### University of California, Los Angeles

Bachelor of Science in Mathematics

Los Angeles, CA

Expected June 2024

**Relevant Courses:** Ordinary Differential Equations, Philosophy of Logic, Real Analysis, Abstract Algebra, Linear Algebra, Statistics

### EXPERIENCE

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#### Poppin Technologies

Co-Founder and CTO

Los Angeles, CA

Jun 2022 - Present

- Scaled userbase by 9,700% from 72 to 7,000 MAU with 500+ organic user-hosted events, breaking Top 100 on App Store.
- Enhanced day-by-day retention to 17% / 10% / 6% with dynamic content/linking, payment integration, and social features.
- Mitigated development maintenance costs by 80% from \$1,000 to \$200/mo. by leading a team of 5 and optimizing app costs.
- Spearheaded web and back-end development by actively developing and reviewing code, managing Git, and leading a team of 5.

#### Flowductive

Founder and CEO

Los Angeles, CA

Jan 2021 – Jan 2023

- Self-built 5 iterations of an iOS + macOS productivity app; web landing page; and 3 companion open-source Swift packages.
- Single-handedly managed, produced content, and raised socials to 650+ LinkedIn followers and 120+ Instagram followers.
- Assembled and managed an internship cohort of 18; sourced 40 investors and industry-leading VC's, raising \$5,000 via UCLA.

#### YATCO

Technical Growth Analyst

Palm Beach, FL

Nov 2020 – Present

- Performed an SEO analysis for a yachting MLS with 600+ visitors/day in traffic, sequencing 300+ builder pages for ranking.
- Parsed data from 2000+ yacht builder sites into JSON using Python for site use, raising CTR by 0.4% over 3 months.
- Developed mobile Charter/Consumer application expected to transition 150k total web users to 730k mobile users per year.

#### Edvora

iOS Developer

Los Angeles, CA

Dec 2021 – Feb 2022

- Stabilized and widened the mobile device compatibility of a global SaaS education solution by implementing SwiftUI in iPadOS.
- Improved the quality and scalability of the future of Ed-tech in education, technology, finance, and enterprise through patches.

### PROJECTS

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#### Predictive LTSM Model on AAPL

<https://bit.ly/3FJcOG5>

Los Angeles, CA

Oct 2022 – Dec 2022

- Wrote a Long-Short-Term-Memory ML model in Python and Colab to predict future closing prices of MSFT, AAPL, and AMC.
- Visualized findings using both PyTorch and TensorFlow to analyze fit accuracy, margins of error, and quantitative predictions.
- Reduced the model's mean absolute error during testing by 15.2% by reducing short-term memory by 50% from 6 to 3 days.

#### Natural Language API Chat Assistant

Private Project

Los Angeles, CA

Nov 2022 – Present

- Wrote a Python interface to convert natural language into a series of varying commands to collect input and generate API calls.
- Used OpenAI GPT-3 to subdivide inputs; choose endpoints, operations, and parameters; and call/parse a REST network request.
- Developed a robust token-management and automatic training elements system to improve model efficiency and efficacy.

#### Dezeus

<https://github.com/benlmyers/dezeus-gamma>

Los Angeles, CA

Nov 2021 – Present

- Created three iterations of a model used to prove mathematical or logical statements to any level of rigor with 100% accuracy.
- Used Java to classify propositional statements and zeroth-order logic for symbolization, derivation, and theorem application.
- Built a robust rule management system with custom file types to save and restore logical propositions for scalable use online.

#### Front-End Swift Packages

<https://bit.ly/3v8ZXHa>

Los Angeles, CA

Jun 2021 – Dec 2022

- Wrote over 350 commits in 7 solo open-source packages, actively maintained, organically earning over 75 stars on Github.
- EasyFirebase, one package, used advanced Swift syntax to reduce database and service complexity of Google Firebase products.
- ShinySwiftUI, one package, used SwiftUI to create common interface components with consistent layout and appearance.

### SKILL & INTERESTS

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Seeking to solve unique challenges in a fast-paced, advanced technical or analytical space to grow in leadership, innovation, and creativity. Vertically integrating aspects of financial analysis, trading, and new technologies using a wide scope of passion-based and professional knowledge.

**Skills:** Risk Measurement, Portfolio Management, Theoretical Mathematics, Mathematical Modeling, Mathematical Analysis

**Languages:** Python, C++, Golang, Rust, C#, Java, Swift, Processing, Haskell, JavaScript, TypeScript

**Technologies:** Relational Databases, Algorithms, Node.js, Vite, Vue, Git, Docker, GitHub, Jira, SwiftUI, UIKit, ML Core

**Interests:** Data Modelling, Probability and Statistics, Artificial Intelligence, Investment, Futures, Music Production, Choral Singing