

Samori Roberts

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Work Experience

Norn **Founder** *May 2023 - Present*

- Pioneered the development of a platform offering users automated stock insights and techniques employed by quantitative analysts.
- Empowered users with the ability to assess historical performances of diverse assets, analyze correlations, construct portfolios utilizing optimization techniques, and seamlessly track personal trades. This comprehensive functionality contributed to a holistic user experience.
- Executed the UI implementation using Typescript with React, RTK Query, and Redux, showcasing proficiency in modern web development technologies. Simultaneously, implemented the backend infrastructure using Python with Django, ensuring a robust and scalable foundation.
- Containerized the backend infrastructure with Docker, incorporating Postgres, Redis, Celery, Nginx, and Certbot. This streamlined deployment processes and enhanced system scalability. Deployed the platform successfully on DigitalOcean at norn.finance.
- Integrated payment processing capabilities using Stripe, enhancing the platform's functionality by enabling secure and efficient financial transactions.

Descript **Software Engineer** *Mar 2023 - Feb 2024*

- Navigated ambiguous problem statements by initiating comprehensive discussions with Product Management and Design teams. Conceptualized precise solutions, secured stakeholder buy-in through collaborative dialogue, and executed tasks to deliver impactful features.
- Implemented the UI consent flow, enabling users to seamlessly create AI voice clones with the latest model developed by our AI team.
- Successfully executed a comprehensive refactor of the onboarding flow, transitioning from a linear to a tree pattern. This enhancement significantly increased the volume of user information collected, fortifying our marketing strategies with valuable insights.
- Implemented improvements to the Data Consent flow, resulting in a remarkable surge in consent granted for AI model training.
- Spearheaded enhancements to the Learn Descript platform, elevating the user experience through the implementation of in-app guided tutorials.
- Primary language(s): Typescript (React)

CodexDF **Lead Software Engineer** *Apr 2022 - Oct 2022*

- Architected the Alpha phase roadmap, enabling the C-suite to transparently communicate timelines to potential customers and pre-seed investors. This strategic roadmap served as a foundation for informed decision-making and stakeholder engagement.
- Implemented the entire frontend infrastructure from inception, showcasing a mastery of design principles and user interface development.
- Overhauled the backend prototype, transforming it into an API service from a script and greatly improved the ability to parse Ethereum transactions.
- Led a team of 8 engineers through the successful deployment of CodexDF's Alpha phase. This pivotal milestone allowed investors to actively engage with and validate the product, paving the way for strategic insights and continuous improvement.
- Provided key technical direction by translating intricate product requirements into precise technical designs for Alpha and Beta Deployments.
- Participated in discussions and orchestrated product demonstrations with potential investors. This engagement not only showcased the product's capabilities but also facilitated valuable connections and opportunities for partnership and investment.
- Primary language(s): Typescript (React) and Python

Microsoft **Software Engineer 2** *Aug 2018 - Apr 2022*

- Led a team of 3 engineers in completing approximately 60 Accessibility tasks within a tight 6-week timeline, culminating in the successful implementation of Windows' Text Scaling feature in OneNote UWP.
- Implemented a UI to support OneNote Win32's Meeting Notes, enabling users to take notes directly related to Teams meetings within OneNote.
- Implemented 4 of 5 major UI components for the redesign effort of OneNote Win32, contributing significantly to the product's modernization.
- Conceptualized and implemented a Proof of Concept for the OneNote Win32 Home feature, which was presented on my behalf to the CEO; Satya Nadella. This initiative played a pivotal role in convincing leadership to integrate the full implementation of OneNote Home into the product roadmap, aligning technology goals with strategic business objectives.
- Managed the cleanup process for feature gates in OneNote, identifying completed features and delegating the removal of feature gates.
- Refactored OneNote's DevOps bot, utilizing .Net Framework. This initiative resulted in a 32% reduction in effort around task management.
- Primary language(s): C++

Education

Morehouse College Bachelor of Science *Aug 2014 - May 2018*

Major: Physics

Minor: Computer Science

— Highest GPA in Physics Class of '18

— Phi Beta Kappa

Cumulative GPA: 3.78

STEM GPA: 3.80

Stanford University Domestic Exchange *Jan 2017 - Jun 2017*

— Attended 2 quarters of foundational CS courses (CS106A & CS106B)

CQF Certification *Jun 2022 - Jan 2023*

— Attended 6 months of classes to become a certified Quantitative Financial Analyst

Technical & Soft Skills

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|-------------------------|----------|----------------------|-------------------------|-------------------|
| • Typescript/Javascript | • Django | • PostgreSQL | • Project Management | • Mediation |
| • React + React Native | • C++ | • Nginx | • Delegation | • Public Speaking |
| • Express | • GitHub | • Certbot | • Defining Requirements | • Mentorship |
| • Python | • Docker | • Product Management | • Defining Timelines | • Interviewing |