

# Benny Nottonson

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## EDUCATION

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CALIFORNIA STATE UNIVERSITY LONG BEACH - HONORS

LONG BEACH, CA

*B.S. Computer Science, Minor in Statistics*

EXPECTED JUNE 2027

- Relevant Courses: Data Structures & Algorithms, Object Oriented Programming, Systems Programming, Algorithms, Software Engineering

## PROFESSIONAL EXPERIENCE

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SELLEB | [SELLEB.COM](https://selleb.com)

REMOTE, NYC

**Lead Engineer**

MAY 2023 - Current

- Engineered **SQL DB** responsible for 100,000+ daily requests using **Supabase & PostgreSQL**
- Developed **NextJS** microservices for unstructured data processing using **LangChain & OpenAI**
- Managed development of **SwiftUI** app using **MVVM** architecture with **Kingfisher** for image processing
- Utilized **PGVector** and **Graph Neural Networks** to create a SoTA Product Recommendation System
- Directed Engineering & Product Teams using **Linear, Slack, and Github**

VERTIX | [VERTIX.DEV](https://vertex.dev)

REMOTE, SAN JOSE

**Software Engineer**

OCTOBER 2023 - April 2024

- Built advanced **Internal Tooling** and **QA Tools** to enhance customer workflows
- Engineered **Typescript** servers and applications using **Zod, Supabase, and React Native**
- Handled **Product Management** for multiple clients, ensuring deadlines and **AGILE** cycles and **Sprints**
- Expanded skills in **Docker, AWS, Numpy, and PostgreSQL**, demonstrating adaptability and growth

## SKILLS

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- Programming Languages: **TypeScript, Python, C++, Mojo, Rust, Java, and SQL**
- Frameworks & Libraries: **NextJS, PyTorch, NumPy, Scikit-Learn, Pandas / Polars, FastAPI, Vercel**
- Soft Skills & Tools: **Leadership, Project Management, Git, Technical Communication, Docker, PostgreSQL**

## PROJECTS

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BASALT | [GITHUB.COM/BASALT-ORG/BASALT](https://github.com/basalt-org/basalt)

DECEMBER 2023 - PRESENT

- Engineered a feature-rich Deep Machine Learning (**DeepML**) library from the ground up using **Mojo**, attracting over 400 GitHub stars
- Collaborated with industry experts from **Sony** and **Modular** on project planning, technical discussions, and whiteboarding sessions
- Acquired deep understanding of Deep Neural Networks (**DeepNNs**) and Systems-Level Programming concepts

## AWARDS

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JANESE DAVIDSON INVITATIONAL | IRVINE

BEACH FORENSICS - CSULB

- First Overall Speaker, Open Parliamentary Debate
- Quarterfinalist, Open IPDA Debate

OCTOBER 2024

IFA IRELAND | DUBLIN

- Top 15 International Open IPDA Debate
- Top 20 International Open Impromptu Speaking

MARCH 2024

References Available on Request