

ROHAN BIJU

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SOFTWARE ENGINEER INTERN

Award-winning software developer conceiving, designing, and bringing to market new products and services. Create solutions to run predictions on distributed systems with exposure to new technologies at incredible scale and speed. Streamlined data process and aided in identification of key genetic drivers and processes in pancreatic cancer at Harvard T.H. Chan School of Public Health by developing bioinformatics pipeline.

AWARDS

Xerox Award for Innovation and Information Technology, University of Rochester
Winner, Congressional App Challenge for Ping App Development Project
Change Maker Award, Bethany Hill Place
Certificate of Monetization, YouTube Channel Techno Review

RELATED SKILLS

Syntax of Languages • Java, JavaScript, CSS • Frontend Development • Web Development
Object Oriented Design • Algorithm Design • Software Development Lifecycle
Designing, Developing, Deploying, Maintaining Apps • Problem Solving • Quick Learner
Clear, Positive, Constructive Communication • Adaptability • Testing & Debugging

EXPERIENCE & ACHIEVEMENTS

CODE-4-COMMUNITY, Boston, MA

2024

Product Designer

Guide product team vision and execution. Collaborate with design and development teams to create wireframes, design product, communicate needs, and refine Minimum Viable Products through testing. Ensure product alignment with nonprofit goals, user needs, and organizational requirements.

- ▶ Ensure user accessibility and communication by partnering with Boston non-profit organizations to design and deploy user-centric digital solutions.
- ▶ Elevate brand by applying consistently across digital products.
- ▶ Achieve inclusive and user-friendly designs by prioritizing accessibility and user engagement.

TUNUL, Boston, MA

2024

Full-Stack Developer

Mediated between two teammates. Built mapping application using Dijkstra's algorithm to navigate confusing tunnel system at Northeastern.

- ▶ Attracted more than 500 students on launch day through club promotion.
- ▶ Completed project on time while fostering collaborative environment after devising plan covering concept, development, and rollout processes.
- ▶ Aligned application with user needs by creating survey target, distributing across social media, and gathering 1,245 responses; results showed that nearly 75% of respondents preferred step-by-step directions over map-based system.

YOUTUBE, Boston, MA

2018-Present

Channel Owner and Content Creator, Techno Review

Review consumer technologies.

- ▶ Achieved monetization, sponsorships, and reviews: 25+ sponsored products worth \$2.5K+ with \$3,400+ revenue, 3,670+ subscribers, 50,200+ watch hours, 1.4M+ total views, and 212K+ views for most popular video.
- ▶ 120+ companies have requested feedback on products after cultivating 30 sponsors due to blending

engaging content with informative reviews.

- ▶ Grew audience by analyzing demographics and search habits to improve video through VID IQ.

HARVARD T.H. CHAN SCHOOL OF PUBLIC HEALTH, Boston, MA

2021-2022

Biostatistics Intern, 2022

- ▶ Streamlined data process and aided in identification of key genetic drivers and processes in pancreatic cancer by developing bioinformatics pipeline using Python and performing differential analysis on condition-specific networks to provide robust method to analyze and interpret vast biological data.
- ▶ Enhanced project effectiveness by building relationships with lead researchers at Biostatistics Department.
- ▶ Chose to utilize pancreatic cancer data set (PAAD) to test new method for analyzing genomic data.

Researcher, Project Seahorse, 2021-2022

Analyzed data focused on large-scale genomic and clinical datasets to precompute correlations between clinical and genomic variables. Researched and selected dataset for research, sampled more than 900 people.

- ▶ Facilitated better understanding and analysis of complex interactions among varying tissues and genes by providing clear and intuitive visualization of Genotype-Tissue Expression (GTEx) dataset and collaborating with team to develop tool for visualizing GTEx data.

PING APP, Boston, MA

2020-2021

Founder, Developer

Designed flood disaster management app that accumulates information in flood zones by centralizing communications among victims and responders. Recruited more than 250 users from India and approximately 25 users from the United States to test application.

- ▶ Prevented spread of misinformation and aided in disaster response efforts by designing flood disaster management app that accumulates information in flood zones on map using crowdsourced approach to ensure users received accurate and timely information.
- ▶ Won 2021 Congressional App Challenge.

INTERNS-4-GOOD, Boston, MA

2020

Leader and Volunteer

Appointed by Interns-4-Good to oversee five teammates to create mobile app for non-profit Love-in-Motion.

- ▶ Completed project in less than three months after assuming roles of front-end developer and project manager.
- ▶ Enhanced interest among users who were not interested in learning or donating by creating in-app game featuring fun llama mascot to also educate users about nonprofit objectives by convening Zoom meeting to collectively brainstorm and white board potential solutions.
- ▶ Saw significant increase user engagement in beta testing after proposing replacing third-party payment service with direct payment option to reduce disruption and retain users.
- ▶ Completed product development within three months after setting ground rules and creating timeline to track progress.
- ▶ Fostered trust and comfort within team and improved collaboration and engagement by introducing icebreaker activities.

OTHER LEADERSHIP

BUA COMPUTER SCIENCE CLUB, Boston, MA

Co-Leader

BUA TECH REVIEWERS CLUB, Boston, MA

Founder and Leader

EDUCATION

Bachelor of Science (BS), Computer Science, Northeastern University, Boston, MA (graduating 2027)