

Santiago Vira

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EDUCATION

Stony Brook University

Bachelor of Science in Computer Science

University Scholar, Computer Science Honors, Dean's List

Stony Brook, NY

Graduating May 2027

EXPERIENCE

Part-time Software Developer

LBi Software

May 2025 – Present

Melville, NY

- Close 100+ tickets for enterprise-level time-tracking software using Angular and Java Spring
- Implement new features and fix bugs in a live React Native mobile app used by hundreds of users
- Wrote large sections of infrastructure that shipped to production through Azure DevOps CI/CD Pipelines
- Collaborate with a team of 10 developers using Agile methods including daily stand-ups and weekly sprints

Mentorship Program Director

Stony Brook Computing Society

Apr 2025 – Present

Stony Brook, NY

- Handle 200+ participants in undergraduate and graduate mentorship program
- Oversee matching process between mentors and mentees based on interests and goals
- Organize monthly events and workshops for professional development and networking
- Collaborate with a team to improve program structure and outreach efforts

Search Index Researcher

COMPAS Lab

Jan. 2025 – Present

Stony Brook, NY

- Develop code for a fast, memory efficient nucleotide search index on 200k+ files across 100 virtual machines
- Improve capacity by over 2x using advanced data structures and algorithms
- Increase programming team efficiency by enforcing best practices in TypeScript and Rust

President, Sponsorship Director

TechCodes

Dec. 2020 – June 2024

New York, NY

- Organized and directed annual 36-hour in-person hackathon for 125+ participants with 10+ sponsors
- Fundraised and planned a 48-hour virtual game jam for 150+ participants
- Founded and managed annual summer camp with 100+ students and 20+ volunteer instructors
- Budgeted and produced a tech industry leader panel with 200+ attendees

PROJECTS

LinkBook | *TypeScript, Vite, TanStack Start, DrizzleORM, SQLite*

Sep 2025 – Present

- Developed a full-stack web application using Node.js and Vite on the frontend
- Used BetterAuth for OAuth user authentication and authorization
- Designed platform for users to save and organize web links with tags and shortlink functionality

Matly | *TypeScript, Next.js, MySQL, Pusher*

Mar 2023 – July 2023

- Created a full-stack realtime web application using Next.js
- Implemented user authentication and stats tracking using NextAuth and MySQL
- Published game for competing with friends to maximize scores on randomly generated puzzles

TECHNICAL SKILLS

Languages: Typescript, Python, Java, Rust, SQL, HTML/CSS

Frameworks: React, React Native, Node.js, Next.js, Angular, Spring

Developer Tools: Cursor, Git, Docker, VS Code, MongoDB, DevOps, CI/CD

Awards: GoatHacks 2025 Hackathon Winner, GIAC Cybersecurity Technologies Certification, National Cyber Scholar