

ABBOT TUBEINE

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Education

Sattler College

May 2027

*Bachelor of Science in Computer Science and Cybersecurity, Dual Degree Program, **GPA: 3.92***

Boston, MA

- **Relevant Coursework:** Data Structures and Algorithms, Web Application Development, Computer Systems, Complexity and Computation, Network Systems and Security, Information Systems and Project Management.

Technical Skills and Certifications

Languages: Python, Javascript, Typescript, C, Java, HTML/CSS, SQL

Frameworks/Libraries: React.js, Next.js, Node.js, Express.js, Angular, MongoDB, Blueprint, React Native

Developer Tools: Git, Docker, Expo, Google Cloud Platform, AWS, Azure, Android Studio, Figma

General Certifications: Software Architecture Foundations, Azure Fundamentals, Linux Unhatched (CISCO)

Professional Certifications: Practical Network Penetration Tester (PNPT), Google Professional Cybersecurity Certificate

Experience

Google LLC

May 2025 – August 2025

Software Engineer Intern

Mountain View, CA

- Designed and implemented a new feature on Ad Inspector, enabling publishers to pass configuration parameters to request custom **GAM** and **AdMob** Ads during Out of Context testing for both iOS and Android applications.
- Collaborated cross-functionally with UI, Android, iOS SDK teams, and Product Management to align the feature with technical and business requirements.
- Authored a technical design document and presented the project architecture to senior engineers, driving discussions on architectural trade-offs and aligning the solution with Google design standards.

AI4ALL Ignite

August 2024 – November 2024

AI Engineering Fellow

Remote

- Developed a supervised ML model using neural networks to improve early breast cancer detection, addressing diagnostic limitations in traditional mammograms and identifying complex, high-dimensional patterns.
- Implemented and compared ML models such as **XGBoost** and **Random Forest**, evaluating performance with accuracy, **precision**, **recall**, and **F1-score** while mitigating algorithmic bias using a trusted dataset.

HeadStarter AI

July 2024 – August 2024

Software Engineer Fellow

Remote

- Built **5** AI apps and APIs using Next.js, OpenAI, Pinecone, and Stripe API that streamlined development, improved efficiency, and enhanced user engagement.
- Led a team of **4** engineering fellows in the end-to-end development of projects, utilizing **MVC** design patterns to ensure scalable, maintainable codebases while adhering to agile best practices.

Adam Networks

June 2024 – August 2024

Cybersecurity Penetration Tester

Ontario, Canada

- Conducted a comprehensive web application penetration test on Adam Networks' website, identifying security vulnerabilities following **OWASP** methodology and performing **OSINT** analysis to detect data leaks and information exposures.
- Generated detailed reports outlining findings, recommendations, and mitigation strategies to enhance the company's cybersecurity posture and safeguard sensitive information against external threats.

Projects

BrainArds AI | *Next.js, TypeScript, OpenAI API, Stripe API, FirebaseDB* | *GitHub*

- Led a team to design and launch BrainArds AI, a SaaS platform that generates flashcards from text, files, and web links, achieving over **95%** content extraction accuracy and significantly accelerating the learning process for users.
- Engineered a robust web scraping module that extracts and cleans content from URLs with **98%** precision, transforming it into accurate, AI-generated flashcards that improve study efficiency.

Eidos Systems | *Next.js, TypeScript, Sanity Studio, Stripe API, Prisma/PostgreSQL* | *GitHub*

- Building an **EMR** platform for medium-sized clinics, to streamline data management and improve patient, admin, and client workflows with secure, high-performance dashboards.
- Designing interactive dashboards to provide real-time insights for hospital administrators, enhancing operational efficiency and data-driven decision-making.
- Developing a custom **LMS** for a non-profit in Africa, enabling easy hosting and management of educational courses to support instructor-led and self-paced learning.
- Integrating Sanity Studio to allow no-code course creation and platform updates by instructors and organization administrators such that maintainance can be done independently without extra engineering work.

Leadership / Extracurricular

C.O.D.E.R.S

Fall 2024 – Present

President

Sattler College

- Led weekly meetings and technical workshops, guiding computer science students through projects and industry trends.
- Facilitated networking and collaboration opportunities to support members' career growth and technical development.

Professional Development

NSBE

ColorStack

Brilliant Black Minds

CodePath

ACM

Faith Tech