

Jonathan Mahrt Guyou

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EDUCATION

Hofstra University

Master of Science in Computer Science with a concentration in Networking and Security

Hempstead, NY

Sep. 2023 - August 2024

Hofstra University

Bachelor of Science in Computer Science and Cybersecurity

Hempstead, NY

Sep. 2019 - May 2023

Honors: As a Student-Athlete: **Captain**, Division 1 Men's Tennis Team — **Dean's List** x 8

EXPERIENCE

Software Engineer

HYEL

Oct. 2024 - Dec. 2024

Remote

- Led development of **Swift**-based iOS games, gaining expertise in mobile game architecture and UIKit animations.
- Designed **CoreData** persistence layer enabling offline gameplay and seamless user progress syncing.
- Implemented custom **SpriteKit** physics and particle systems, enhancing visual quality while maintaining 60 FPS.

Software Engineer

Laurel Links

May 2024 - Oct 2024

Laurel, NY

- Built a full-stack website with **React JS** frontend and **Firebase** backend to streamline user interactions.
- Resolved 500+ technical issues for users, increasing user satisfaction scores by 25% and site reliability by 40%.
- Boosted user interaction 40% with a custom system that streamlined communication, sign-ups, and updates.

Software Engineer intern

Teamwyrk

Oct. 2023 - May 2024

Remote

- Developed and maintained Teamwyrk's website, enhancing user experience and system performance.
- Built a **Firebase** backend managing data for 1000+ users and designed intuitive UI with **React JS**.
- Implemented responsive design and cross-browser compatibility, reducing bounce rates by 35%.

Founder & Software Engineer

BoJo

Sep. 2021 - September. 2023

Hempstead, NY

- Led development of a university-matching app with automated features, helping **1000+** students find schools.
- Built proprietary matching algorithm, integrated **PayPal API**, and implemented automated customer service.
- Conducted market research with counselors, admissions officers, parents, and students to refine product fit.
- Placed top **3** in **2** entrepreneurship contests, earning funding and recognition for innovation and business potential.

PROJECTS

Chat Genius | JavaScript, Chrome Extensions API, REST APIs, Google Gemini AI

February 2024 - Present

- Developed an AI-powered LinkedIn messaging extension with 50+ active beta users.
- Built a context-aware system that analyzes conversation history for relevant responses.
- Implemented a modular architecture with persistent storage and error recovery.

Click Clock | Next.js, Google Cloud, Vertex AI, Firebase, BigQuery, Tailwind CSS

March 2024 - Present

- Built a TikTok-like video platform with 100+ users, featuring responsive playback and authentication.
- Built a real-time engagement system with comments, likes, and personalized video recommendations.
- Implemented Firebase backend with Next.js frontend for optimal performance and scalability.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, SQL, Swift

Frameworks & Libraries: React, Next.js, Node.js, Flask, FastAPI, Tailwind CSS, Chrome Extensions API

Cloud & AI: Firebase, Google Cloud Platform, Google Gemini AI, Vertex AI, BigQuery, OpenAI

Developer Tools: Git, Docker, VS Code, Visual Studio, Cursor, Xcode, Monaco Editor

Spoken Languages: French, Spanish, English, Danish, Catalan