Jonathan Eveillard

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EDUCATION

Carleton University   Ottawa, ON, Canada
Bachelor of Science in Computer Science, Minor in Business   *Expected May 2028*

- **Coursework:** Data Structures, Discrete Structures, Calculus I, Linear Algebra, Intro to Computer Science I, Intro to Computer Science II
- **Awards:** Carleton University Faculty Scholarship ($8,000)
- **Affiliations: ColorStack** *[Member]* (2024-Present) – **Carleton Systems and Computer Engineering Society** *[Director]* (2024-Present) – **Carleton Planetary Robotics Society** *[Member]* (2024-Present) – **Carleton Blackbird UAV Team** *[Member]* (2024-Present)
- **Ongoing Skill Development:** Learning **Rag** applications with **Langchain** — Learning **React Native** and **Swift**
- **Hackathon & Activities Participated:** HackTheHill **1x** – InnovateNow (Carleton University) **1x**

EXPERIENCE

Software Engineering Fellow   Jul. 2024 – Present
Headstarter AI   *Remote, USA*

- Engineered 5+ diverse AI applications and **APIs** utilizing **Next.js, OpenAI, Pinecone**.
- Led a team of 4 engineering fellows in developing and deploying 3 projects using **MVC** design patterns.
- Implemented **Agile** methodologies, **CI/CD** pipelines, and microservice patterns under the mentorship of Amazon, Microsoft, Bloomberg, and Capital One engineers, improving project efficency.

Technical Manager & Assistant Social   June. 2024 – Present
Carleton University – **Carleton System and Computer Engineering Society**   *Ottawa, ON*

- Assisted, maintained and troubleshooted technical issues such as hardware and software brought by members, and staff.
- Organized and conducted workshops, hackathons, and coding sessions, fostering skill development and innovation within the society.
- Played a key role in strategic planning, contributing to the society's mission of promoting excellence in Computer Engineering.

PROJECTS

Stulligent | *NextJs, Tailwindcss, Python*

- Wait-list of **100+** users within the first month of launch.
- Integrated **OpenAI GPT** model to power the natural language processing
- Conducted user testing and feedback sessions, resulting in a **15%** improvement in user satisfaction and **10%** reduction in response time.

EchoGPT | *NextJs, Tailwindcss, Firebase, Python, JavaScript*

- Utilized Firebase for real time database management, authentication, cloud storage and streamline data handling, enhancing overall application performance.

P2P File System | *NextJs, Tailwindcss, Python, Flask – Visit Github for in depth description*

- Designed and implemented a decentralized file-sharing platform using Python for backend TCP/IP communication and Next.js for the user interface.
- Enabled peer-to-peer communication where each device acts as both a client and server, supporting robust, redundant-free file sharing.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, HTML/CSS, Javascript, Typescript
Frameworks: NextJs, Tailwind, React, Flask, Material-UI, Aceternity-UI, shadcn-UI
Developer Tools: Git,Unix, MongoDB, Firebase, Vercel
Concepts: Machine Learning, Artificial Intelligence, Software Engineering, Front-end, Agile Methodologies **Libraries & APIs**: React, OpenAI API, Material UI, Shadcn UI, Aceternity UI