JEAN-SEBASTIEN RATEAU He/Him

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems New York, NY
BS in Computer Science | **Concentration**: Software Development | **GPA: 3.32** May, 2026

RELEVANT COURSEWORK

Scaled Twitter Clone | Internet and Distributed Computing **[GitHub](#)** May 2025
- Developed a scaled-down social media app using PythonAnywhere for hosting. AWS S3 for image storage, and DynamoDB for managing users, posts, and replies.
- Implemented secure signup/login, dynamic feeds, profile photo upload, and comment threading with Python, Flask, and HTML/CSS.

Full-Stack Web Application Deployment Project | Operating Systems and Architecture December 2024
- Designed and deployed a full-stack web application by setting up a Linux virtual machine, MySQL database, and web server, integrating API endpoints for data management.
- Built an interactive website using HTML and CSS to interface with a relational database via CRUD operations through RESTful APIs.

PERSONAL PROJECTS

Secure Identity Verification App Development [GitHub](#) November 2024
- Engineered a facial verification system using Python, FastAPI, and OpenCV, enabling image comparison between ID and selfie for secure identity validation.
- Built a modern Android UI with Figma and XML, implemented Retrofit API communication, and integrated Firebase for email and phone authentication

Snake Game [GitHub](#) January 2024
- Designed and developed a game in Java using Swing framework enabling the player to control a snake using keyboard input to guide the snake to consume apples randomly appearing on the screen.
- Implemented a logic to increase the snake's length by one square unit size and a new apple spawns, adding an element of challenge and skill to the game.
- Implemented aesthetic features such as color changes, sound effects, background music, level-ups, difficulty modes, and a game-over method.

PROFESSIONAL EXPERIENCE

Fiverr Freelance [Fiverr](#) Remote
UI/UX Development May 2024 – Present
- Delivered custom UI/UX designs for startup businesses, including a 20-screen word search game interface for a game developer, showcasing expertise in creating engaging user experiences.
- Designed a website for Tiketa, a vehicle rental company in Thailand, earning a 5-star rating and repeat business for additional app pages.
- Collaborated with a team of 20 freelancers to design homepage, profile, and product display pages for a B2B e-commerce platform, achieving a 5-star client rating.

AMARD&V (Artists Mentoring Against Racism Drugs & Violence) New Brunswick, NJ
Fellow (Program Mentor and Counselor) June 2024 – August 2024
- Mentored at-risk youth (ages 10-16) from underserved Latino/a and African American communities, facilitating arts workshops to foster creativity and address issues like racism, violence, and substance abuse.
- Collaborated with health educators to lead discussions on social-emotional health and conflict resolution, empowering students to build confidence, resilience, and leadership skills.

TECHNICAL SKILLS

Programming Languages: Python, React JS, Kotlin, XML, Java, R, HTML, CSS, JavaScript
Database Management: Pandas, MySQL, Firebase Realtime Database and Authentication, AWS DynamoDB and S3
Software / Tools: VS Code, WebStorm, Android Studio, Python Anywhere, Anaconda, Eclipse, R Studio
Operating Systems: Windows, Linux