

Anthony Schurle

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EDUCATION

Rice University

Bachelor of Science in Computer Science

Houston, TX

Aug. 2024 – May 2028

- GPA: 3.7
- Trustee Distinguished Academic Scholarship

EXPERIENCE

Pool Lifeguard

Greater Houston Pool Management

May 2024 – Aug. 2024

Houston, TX

- Recognized as **Lifeguard of the Month** for exceptional vigilance, professionalism, and teamwork
- Oversaw safety of 100+ daily patrons by enforcing rules and executing proactive safety interventions
- Responded to and helped resolve 5 safety incidents through effective coordination during real-time emergencies
- Maintained pool health by regularly monitoring and adjusting pH and chlorine levels

Varsity Cheerleading Team Member

Rice University Athletics

Aug. 2024 – Present

Houston, TX

- Balanced 15+ hours of weekly training, performances, and athletic commitments with full-time coursework
- Trained and performed advanced tumbling, stunting, and choreography to support athletic teams and engage spectators at home and away games
- Represented the university at donor and alumni events
- Collaborated closely with teammates in high-pressure environments to ensure safety and execute complex routines

PROJECTS

Personal Portfolio | *Python, HTML, SASS, TypeScript, PostgreSQL*

June 2025 – Present

- Built a full-stack personal portfolio and project showcase with a responsive frontend in TypeScript and a FastAPI backend serving a RESTful API
- Containerized the application with Docker Compose, orchestrating backend and PostgreSQL services with isolated networks and persistent volumes for reliable data storage across restarts
- Configured Nginx as a reverse proxy with HTTPS support via Certbot, achieving an A+ SSL Labs rating; managed DNS through Cloudflare for domain and DDoS protection
- Enabled secure HTTPS access at www.anthonyschurle.com, reducing page load time by 40% through optimized static asset delivery and browser caching
- Designed normalized PostgreSQL schemas for projects, skills, and contact forms; implemented secure backend endpoints with SQLAlchemy and Pydantic validation
- Achieved 100% uptime post-deployment with automatic container restarts and cron-based SSL certificate renewal

SignalSiege | *Python, HTML/CSS, JavaScript*

May 2025 – Present

- Built RESTful APIs using FastAPI to handle real-time game logic, user interactions, and persistent scoring data
- Created a responsive and immersive frontend using HTML/CSS and vanilla JavaScript with animations and game-like UX elements

TECHNICAL SKILLS

Languages: Python, SQL (PostgreSQL), TypeScript (JavaScript), HTML/CSS, R, SASS

Frameworks: FastAPI, Gunicorn, Uvicorn

Developer Tools: Git, Docker, Docker Compose, VS Code, GitHub

Libraries: SQLAlchemy

DevOps & Deployment: Nginx, Certbot (Let's Encrypt), Cloudflare DNS, Linux Shell (Ubuntu), VPS hosting (Hetzner)