Oliver Shinn

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SKILLS

- AutoCAD & Fusion 360
- Geotechnical Lab Testing
- Web Development (Next.js)
- Cross-Cultural Communication
- Structural Analysis & Design
- Project Management
- Advanced Mathematics
- Technical Drafting
- Stormwater & Site Grading
- Team Leadership
- Analytical Problem Solving
- U.S. and Canadian Citizen

ABOUT ME

Third-year Civil Engineering student at Carleton University who has lived in Palestine, Tunisia, Morocco, and Canada. Hands-on experience in AutoCAD, Fusion 360, and engineering drafting, with structural analysis and design work to the National Building Code of Canada. Senior lead on Carleton Athletics' water drainage project and founder of Carleton Marketplace, a live platform I built and run end to end. Seeking a civil or structural engineering internship in Ottawa for any term.

EDUCATION

2024 – Present
Carleton University
Ottawa, *Canada*
- B.Eng. Civil Engineering, 3rd year (expected 2028)

2018 – 2024
Rabat American School
Rabat, *Morocco*
- IB Diploma & High School Diploma

ENGINEERING PROJECTS

- **Building Load Design (NBC 2025)** — Calculated dead, live, and snow loads and factored load combinations
- **Structural Analysis** — Solved reactions, internal forces, and deflections in beams, trusses, and frames
- **Soil Compaction Testing** — Ran Standard Proctor tests to find max. dry density and optimum moisture content
- **Stress & Strain Analysis** — Analyzed stress and strain states in structural members; wrote a technical report
- **Climate & Crop Yield Study** — Modelling Moroccan cereal yields against rainfall, heat, and drought in Stata

EXPERIENCES

2026 – Present
Carleton University

Senior Project Lead — Carleton Athletics Water Drainage Project
- Lead a student team resolving ponding and runoff on Athletics outdoor fields
- Surveyed site grades and drainage paths; sized drainage with the Rational Method
- Produced AutoCAD grading and drainage plans; presented options to Athletics staff

2025 – Present
carletonmarketplace.online

Founder & Developer — Carleton Marketplace
- Built and launched a live student marketplace on Next.js and Supabase
- Run hosting, database, deployment, analytics, and user support as sole developer
- Migrated the site from Softr to Vercel and moved legacy listings into a database

2025 – 2026
Headfirst Summer Camps

Swim Manager (promoted from Swim Instructor)
- Supervised aquatic staff and daily water-safety operations, Washington, DC

2025 – 2026
Washington Nationals

Rookie Organizer & Team Lead (MLB)
- Led game-day staff at Nationals Park, assigning roles and keeping events on schedule
- Coordinated check-in, rosters, and equipment for large public events; trained new staff

2022 – 2024
Rabat American School

Varsity Swim Captain & Environmental Committee Secretary
- Captained the varsity swim team, competing in Morocco, Greece, and Spain