David Eitan Lesman

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EDUCATION

Imperial College London — London, UK
BEng Electrical and Electronic Engineering — *Sep. 2024 – June 2027*
- **Relevant Modules**: Probability, Statistics, C++, Python, Computer Architecture, Digital Logic Design
- **Citizenship**: United States (eligible for US Government clearance)

EXPERIENCE

Hardware Engineering Intern — Aug. 2025 – Sep. 2025
Splash — *Miami, US*
- Built and deployed Raspberry Pi + Neo-6M GPS–based IoT devices, assembling hardware and configuring firmware.
- Developed dashboard interface to display live device locations and status, integrating data into internal product workflows.

Optiver and Imperial Trading Academy — May 2025 – June 2025
Optiver — *London, UK*
- Built and refined a Python market-making algorithm, applying options pricing theory and arbitrage principles to set spreads and capture edge.
- Worked in a small team to adapt strategies between rounds and manage portfolio risk under time pressure.

Europe Spring Terminal — April 2025
Citadel — *Remote, EU*
- Ranked 6th among all European teams in Citadel's algorithmic trading competition.
- Designed and implemented Python bots for turn-based resource allocation games, using heuristics and simulations to improve win rate.
- Collaborated with teammates to analyze match outcomes and rapidly refine strategies between rounds.

Software Engineering Fellow — July 2024 – Sep. 2024
Headstarter AI — *Remote, US*
- Completed an intensive 7-week fellowship, shipping five full-stack projects with Django, custom JavaScript, and OpenAI/Gemini APIs.
- Implemented features like Stripe payments and user authentication, focusing on clean architecture and maintainability.
- Mentored peers, led debugging sessions, and participated in mock interviews to refine technical communication.

Co-Founder — April 2022 – Dec. 2023
helpukrainians.be — *Remote, BE*
- Designed and deployed a volunteer-driven platform in under 3 weeks to match donation offers and requests across Belgium during the Ukraine crisis.
- Built an end-to-end system (Django backend, database, email contact flow) and iterated weekly with a 2-person team.
- Facilitated daily donation exchanges and kept the platform online and actively used for 20+ months.

Volunteer Full Stack Developer — July 2023 – Sep. 2023
Hatzoloh Volunteer Medical Emergency Services — *Remote, BE*
- Built an internal dashboard to track donations, key donor dates, and field messages, reducing manual record-keeping.
- Integrated email templates and cron-based automations to streamline donor outreach and volunteer communication.

SKILLS & INTERESTS

Programming Languages & Tools: Python (primary), C++, SQL, Git, Linux, Pandas, NumPy, Django, JavaScript
Languages: English, French, Dutch, Hebrew, Yiddish

Competitive Strategy: Chess, competitive SSBU
Athletics: Tournament-level Padel