Levon Davtyan

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EDUCATION

BSc Computer Science   2023-2026
University College London (UCL)   1st year grade: First class
A-levels   2020-2022
Haverstock School, London   Maths - A*, Further Maths - A* (97%), Computer Science - A*, Economics - A*

WORK EXPERIENCE

Junior Software Engineer | *Ntropy Network*   Jan 2023 - Jul 2024
- Was part of a team that **developed a comprehensive SaaS customer dashboard**, contributing both frontend and backend components.
- Successfully engineered a **self-serve billing functionality**, enabling users to independently enrol in a paid subscription through the dashboard. Led to a **20% growth in billed customers** within three months.
- Developed a complete **FastAPI backend RESTful API**, utilizing Pydantic for data validation and serialization.
- Worked with and created **SQLAlchemy schemas** and utilised **Alembic** for database migrations.
- Integrated **OAuth2** into the backend API and frontend Next.js application. Implemented a secure user authentication and authorization system with JWT tokens, **serving over 1,000 authorized users.**
- Achieved 100% API test coverage using **pytest**, ensuring all backend routes are thoroughly tested. Integrated these tests into **CI/CD workflows**.
- Developed a KPI metrics tracking dashboard for the internal sales team using **Retool and SQL**. Provided actionable insights that **increased sales team productivity.**
- Designed **automated workflows** for regular database updates, improving operational efficiency.

Software Engineering Intern | *Ntropy Network*   Aug 2022 - Dec 2022
- Refactored the **monitoring, logging, and alerting system** resulting in higher error detection rates and a streamlined debugging process.
- Fixed several bugs within the **API, SDK and Kubernetes deployments**.
- Crafted robust unit and integration tests using **pytest**.
- Developed new **feature flags** for the users.

Graphic Designer | *Freelance*   Sept 2019 - Sept 2020
- Designed **social media promotional graphics** for numerous organisations, predominantly in the e-sports industry. Built a portfolio with over 10,000 project views on Behance.

PROJECTS

Personal assistant for social connections | Anthropic Hackathon.
Used Anthropic's Claude LLM to create a chat integration capable of reading users' messages, scoring each chat based on a goal and answering any questions about existing conversations

Audio Book Generator App | e/acc Hackathon
Developed a mobile application that generates a personalized story and narration based on user prompts, creating a complete audio book experience.

TECHNICAL SKILLS

Proficient:
    Languages: Python, Java, SQL, JavaScript
    Frameworks: React.js, Next.js, FastAPI, Flask, Postgres, SQLite, MongoDB, Pydantic, SQLAlchemy, Alembic, Git, Flyte, Redis
Experienced:
    Languages: R, C, C++, TypeScript
    Frameworks: Pandas, Numpy, Docker, Kubernetes, Celery
Other: Adobe Photoshop, Adobe Illustrator, Figma, Retool

AWARDS

UKMT Gold | *London*   2020
- Achieved a gold award in the UK Maths Trust Challenge for the intermediate age category.

Academic Excellence | *Haverstock School, London*   2022
- Received an 'Academic Excellence' award from the headteacher for the best academic performance in the year group.