Davit Gogiberidze

davitgogiberidze101@gmail.com | davitg.com | LinkedIn | GitHub: Davit-G

Full Stack Developer

EDUCATION

Monash University   Expected December 2024
Bachelor of Computer Science Advanced (Honours)   *Melbourne, VIC*
- Achievements: Won First Place + Canva Sponsor Prize in student-run MACathon Hackathon 2022

Melbourne High School   2018 - 2021
Software Development, Algorithmics   *Melbourne, VIC*
- ATAR: 92.00
- Achievements: Received Alan Turing Algorithmics VCE award for outstanding performance in SACs

WORK EXPERIENCE

Robotics Club Mentor   February 2022 – Ongoing
Melbourne High School
- Educated Y9-12 students in high school about Python and C++ programming
- Conducting educational events and weekly sessions with students alongside mentors in preparation for competitions such as RoboCup Junior competition

Office Assistant   2019 – 2020
VCON Pty Ltd
- Assisted in implementing new software and hardware-based timesheet automation tools

LEADERSHIP

Club Captain   February 2021 - December 2021
Melbourne High School Robotics Club
- Facilitated organisation of internal robot competitions held during the school year
- Awarded full colours for service to the school

PROJECTS

Spotify Universe | *Javascript, React, Threejs, Python, Graph Networks*   **Site | Info**
- Implemented a full-stack 3d visualisation site by scraping 1.5 million artists and 6000 genres on Spotify API
- Administered algorithms to perform labelling, visualisation and clustering on partially labelled genre data
- Engineered an efficient 3d text renderer that can render millions of objects by using Three.JS and GLSL for efficient browser rendering

Aviary Audio | *Audio Programming in C++, Tailwind, Vite, Preact, 11ty*   **GitHub | Site**
- Developed an efficient distortion audio plugin in C++ for use in music production
- Orchestrated a lightweight website under 250kb in size by using Vite and Tailwind CSS during development

Cards Against Australia | *Full Stack, React, MongoDB*   **GitHub | DevPost**
- Spearheaded development of a voting system in 48 hours to rank politicians based on preference for previous policies
- Awarded first place $1000 prize + Canva Sponsor prize
- Utilized FastAPI and React, along with MongoDB for storage

Tierify | *Front-end, Spotify API, React Redux, Cloudflare Pages*   **Site**
- Designed and created a web app used by 12k music enjoyers across 3 months for reviews of music on Spotify

TECHNICAL SKILLS

Languages: Javascript (Vanilla / ES6), Typescript Python, C++, Java, GLSL, SQL, Haskell, R
Libraries: Python (Pandas, NumPy, OpenCV, FastAPI, BeautifulSoup, SQLAlchemy), Javascript (React.js, Preact.js, Astro, Gatsby.js Three.js, Next.js, Socket.io, Tailwind CSS, Material UI, Howler.js, Tone.js)
Additional Skills: SQL (SQLite, Oracle SQL, MySQL / MariaDB, Neo4j, MongoDB, FireStore), Deployment (Ubuntu / Linux VPS, Amazon AWS EC2 and S3, Raspberry Pi, Oracle Free Tier, Cloudflare (Pages / R2 / D3), BinaryLane, Digital Ocean, Heroku)

Other projects are available at davitg.com and references are available upon request.