Davit Gogiberidze

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Full Stack Engineer | Mobile: +61 410 223 025

EDUCATION

Monash University   Expected December 2024
Bachelor of Computer Science Advanced (Honours)   *Melbourne, VIC*
- Achievement: 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
- Received Alan Turing Algorithmics VCE award for outstanding performance across all SACs

WORK EXPERIENCE

Software Engineer Intern (Frontend)   2023 – 2024
Canva
- Improved code review experience and boosted developer productivity for over 200 engineers at Canva through the development of cross platform browser extensions
- Enhanced internal tooling by working with different teams to solve issues collaboratively and fill errors in existing libraries, which lead to improved development workflows and outcomes for engineers
- Improved understanding of web, backend and infrastructure systems used at Canva and suggested ways of developing scalable, robust, quality software

Robotics Club Mentor   February 2022 – Ongoing
Melbourne High School
- Educated Y9-12 students in high school about Python and C++ programming on Arduino, Raspberry Pi and Lego EV3 platforms
- Conducted educational events and weekly sessions with students alongside mentors in preparation for competitions such as RoboCup Junior
- Enhanced student experience in Robotics through installation of new equipment, assistance with hardware or software problems and competition coordination, resulting in higher club engagement and higher return rates in later years

LEADERSHIP

Club Captain   February 2021 - December 2021
Melbourne High School Robotics Club
- Facilitated organisation of internal robot competitions held during the school year
- Assisted other students in building robots and programming Python logic code for autonomous soccer
- Awarded full colours for service to the school

PROJECTS

Spotify Universe | *Javascript, React, Threejs, Python, Graph Networks*   **Site | Info**
- Implemented a full-stack 3d music 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, affording an intuitive visualisation of music data
- Engineered an efficient 3d text renderer that can render millions of objects by using Three.JS and GLSL, leading to more 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 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
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.