LEVON MALKHASIAN

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EDUCATION

California State Polytechnic University, Pomona, Pomona, CA   August 2024 - June 2026
B.S. in Computer Science
Relevant Coursework: Algorithms, Object-Oriented Design, Computer Architecture, Systems Programming, Numerical Methods, Finite Automata, Computer Networks, Web Science
Honors: President's Honor List, Dean's List
GPA: 3.8

Glendale Community College, Glendale, CA   August 2022 - June 2024
Associate's Degree in Mathematics & Physics
Relevant Coursework: Data Structures & Algorithms, C++ Programming & Advanced Topics, Java, Assembly Programming, Discrete Structures, Physics 1-3, Calculus 1-3, Linear Algebra, Differential Equations
Awards/Honors: Early College Academy Alumni, Honor Roll, Hoover High School Scholarship

WORK EXPERIENCE

Northrop Grumman, *Embedded Software Engineer*, Pomona, CA   Aug 2025 – Present
- Developed ROS2 publisher/subscriber nodes in Python/C++ for an autonomous unmanned ground vehicle (UGV) as part of the Northrop Grumman Collaboration Project (NGCP) at Cal Poly Pomona
- Integrated subsystems using the built-in ROS2 DDS middleware to enable real time and accurate communication.
- Collaborated closely with cross teams including Ground Control Systems (GCS), Mechanical, and Electrical for seamless integration of software and hardware components.
- Tested and debugged code in simulations and on embedded platforms, such as Nvidia Jetson and Raspberry Pi.

Anthony Media Group, *Full-Stack Web Developer*, Glendale, CA   July 2022 – Sep 2024
- Built responsive web apps with HTML/CSS, JavaScript, & React, making mobile-friendly and optimized sites.
- Integrated RESTful APIs, optimized backend functionality, and improved average SEO performance by 112%.
- Collaborated closely with cross-functional teams in an Agile/Scrum environment to deliver client projects on time.
- Managed version control and code collaboration using Git and GitHub, ensuring smooth integration and deployment cycles. Also assisted with deployment and maintenance of web applications on AWS cloud services.

Autohaus24, *Software Developer*, Burbank, CA   Mar 2022 – Aug 2023
- Designed, built, and maintained an internal inventory management system using Python, MySQL, and JavaScript, automating part reordering and syncing with eBay APIs to reflect real-time stock levels.
- Implemented features for live inventory tracking and precise warehouse location mapping, doubling picking speed and improving accuracy; also contributed to physical setup and organization in warehouse.

PROJECTS

Solace – Cross-Platform Digital Well-Being App | *Kotlin (Jetpack Compose), Swift*
- Designed and developed an iOS and Android app that enabled a user-controlled focus mode to block distracting apps using system-level APIs/usage permissions.
- Built reactive UIs in Jetpack Compose and SwiftUI with real-time monitoring of app usage and permission states.
- Implemented NFC-based physical activation and gamified productivity features (leaderboards, streaks).

Full-Stack Journaling Web App | *Python, Flask, SQLAlchemy, MySQL, HTML, CSS*
- Implemented user authentication, dynamic content rendering with Jinja2 templates, and organized backend logic using Flask blueprints and routes.
- Created a relational database with Flask-SQLAlchemy, using models to enable user-specific content/data persistence.
- Integrated a third-party REST API to fetch daily content, while minimizing external dependences.
- Designed a clean, responsive interface and optimized CRUD operations for fast task management performance.

SKILLS

- *Programming Languages:* Python, C++, Java, JavaScript, HTML/CSS, SQL, Kotlin, Swift
- *Web Frameworks & Backend:* Flask, Django, React, Node.js, MySQL
- *Tools:* Git, GitHub, Linux (Debian, Kali, Ubuntu), Wireshark, AWS, Docker, REST APIs