





ARTYOM SAPA

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Education

University of California, Los Angeles (UCLA)

Sep 2021 – Jun 2025

Bachelor of Computer Science and Engineering; GPA: 3.9

Los Angeles, CA

Coursework: Computer Architecture, Software Construction, Discrete Math, Operating Systems, Linear Algebra

Activities: ACM ICPC, ACM HACK, ASME, UPE, Film Club, Blockchain Club

Work Experience

Lavner Education Inc.

Jun 2023 – Aug 2023

IT Intern

Los Angeles, CA

- Developed test scripts and classes to validate the outcomes of **50** students' code submissions in **C++** and **Python**
- Troubleshooted **100+** hardware/software units to provide reliable services for the competent learning environment

Desco Industries Inc.

Jun 2022 – Aug 2022

Software Development Intern

Chino, CA

- Saved **\$10,000 per year** by writing a script for automatically pushing out Windows and software updates for all departments, including internationally based computers, with **batch files**, **group policies**, **SQL**, and **LanSweeper**
- Renovated departments' data communication and **Access databases** features by **optimizing queries** in **SQL & VBA** code, resulting in a time-saving of **2 hours** per deployment
- Introduced **20+** new interface features for webpages by updating files in a large Intranet code database (**JavaScript**), including responsive connecting buttons, error and pop-up notifications, header and footer styling, etc.

Campus Involvement

X1 Robotics - UCLA

Jan 2024 - Present

- * Utilized **NVIDIA cuRobo** motion planning solutions and combined them with **ROS2 control** to implement object identification algorithm for a robotic arm based on the relative distance calculations
- * Utilized the **YOLO framework** to implement computer vision and machine learning techniques, processing the surroundings of the robotic arm recorded by 2 cameras for efficient object identification

Cobble Software Board Member - UCLA

Mar 2023 - Present

- * Debugged and implemented a fully functional notification button, enhancing user interaction and ensuring timely updates
- * Corrected and optimized link integration to improve navigation and accessibility within the application (**Svelte**)

Projects

ProFlow | *Source Code*

ReactTS | GitVC | SQL

- * Implemented user authentication, card view, and profile features for a client-server project management app in React
- * Collaborated with **4** team members using **Git VC** to seamlessly integrate the application's front-end and back-end
- * Achieved real time optimized data loading by utilizing React tools to foster front-end and back-end parts of the app

FilmIt | *Source Code*

ReactJS | Axios

- * Developed an intuitive **ReactJS** application tailored for a movie recommending environment, seamlessly connecting with the back-end to facilitate synchronized video watching using the **YouTube API** and **Top 100 IMDb Movies API**
- * Made a hash table to store movie data and be minimally modified for reuse in other **API** implementations

Compiler Optimization | *Source Code*

C++

- * Refactored **C/C++** code for a compiler algorithm that reduced the compilation time by 70% as well as implemented new flags to provide more metadata during execution

Technical Skills

Languages: C/C++(4 years), Python(6 years), JavaScript, TypeScript, HTML5, CSS, SQL, Haskell

Libraries/Frameworks: AWS, ReactJS, PostgreSQL, NodeJS, Docker, TensorFlow, PyTorch, Git, Linux

Soft skills: Fast Learner, Project Management, Teamwork, Problem-solving, Adaptability, Attention to Detail