

ARTYOM SAPA

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EDUCATION

University of California, Los Angeles (UCLA)

June 2025

B.S., Computer Science and Engineering; GPA: 3.895

Coursework: Software Construction, Computer Organization, Data Structures And Algorithms, Linear Algebra, Electromagnetism, Multivariable Calculus, Intro to Electrical Engineering

Technical Skills: JavaScript, Python, TypeScript, React, C++, C, Linux, HTML, 1C, Git, Arduino, Microsoft Office

WORK EXPERIENCE

Desco Industries Incorporated

June 2022 - August 2022

Computer Science and Engineering Intern

- Wrote a script for automatically pushing out Windows Updates and software updates for all departments, including internationally based computers and electronics with **batch files**, **group policies**, **SQL**, and **LanSweeper**
- Implemented interface features for webpages by updating files in a large Intranet code database using **JavaScript**
- Improved departments' data communication and **Access** databases features by debugging **SQL** and **VBA** code
- Executed hardware and software troubleshooting processes on-site for other employees and security purposes

Slava KVC

June 2020 - August 2021

Technology Projects Manager

- Led the creation of 4 large projects, including navigating and gymnastics apps with **1C**, received patents for each
- Collaborated with my high school to encourage programming in 1C programming language among students
- Distributed investors' money over the high school teams by conducting a project competition amongst students
- Presented yearly progress report on the student projects during an international mobile application creation meeting

ASUCLA

March 2022 - Present

Customer Service Supervisor

- Managed and executed the daily deliveries, stocking, and distribution of the products in the student store
- Trained employees to work at the register and kept equipment and goods in a good condition and organization

CODING EXPERIENCE

ProFlow (task organizer project) - TypeScript, CSS, HTML

[GitHub](#)

- Implemented the entire frontend interface of several parts of the application in a large codebase using **TypeScript**
- Collaborated with 4 people to make the application's backend and frontend parts to work using **Git** version control
- Made the communication between the frontend and backend smooth and fast for relevant features of the app

Sea battleships game project - C++

[GitHub](#)

- Implemented Human, Mediocre, and Good artificial intelligence players as options to play against in battleship
- Implemented Good player, which wins Mediocre player 92% of times which won a simple algorithm 95% of times

Compiler project - C++

[GitHub](#)

- Implemented a better compiler algorithm to sort enormous amounts of data using hash tables and vectors of vectors
- Improved the efficiency of code compiling 400,000 lines by reducing execution time from 2550 msec to 11 msec

Cardiac Rehabilitation app

June 2020 - September 2021

- Created an app which helps patient remotely readapt after heart attacks and to be in touch with their doctors (**1C**)
- Developed the app from the initial design for 5 potential customers by using several web networking algorithms
- Improved the design of the app based on interaction with multiple doctor reviews and recommendations on the app

ACM.hack club

September 2022 - Present

- Created 3 personal websites using **React** and collaborated with group members for feedback (**JavaScript**)
- Improved the application ideas and made them look fresh and professional using inspiration from other websites

Robotics Club - State Physics and Mathematics School

September 2019 - September 2020

Team lead

- Created 6 machines, including sumo and helper robots. Presented helper robots in a state competition (**Arduino**)
- Built and coded electronics parts of robots, including transistors, boards, and wires using Arduino language