MIRO ABDALIAN

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Driven, efficient professional with expertise in applying engineering concepts and developing software/applications. Skilled in cross-functional team collaboration, hardware/software verification, operational performance requirements, software development life cycle, software architecture, scripting, and object-oriented programming. Skilled in creating software test procedures and utilizing modeling equipment/tools. Demonstrated success with web technologies React and Node.js.

Programming Languages: C/C++ | Java | Python | JavaScript | Bash
Operating Systems/Platforms: Windows | Linux/Unix
Frameworks: Flask | Flutter | Hadoop
Libraries: React.js | Node.js | Express.js
Database: MySQL | MongoDB | Firebase

PROFESSIONAL EXPERIENCE

Software Engineer   **06/2022 – Present**
Freelance Developer – Los Angeles, CA

- Assist retail store operations by developing a custom inventory management web and mobile applications by creating and modifying 30+ components in collaboration with team members
- Enhance security measures by creating a node.js logging API and Postgres database using Heroku CLI, to monitor suspicious behavior, and track unexpected behaviors
- Detect fraudulent transactions from customer data using AWS Amplify EC2 clusters to run MapReduce machine learning KNN jobs
- Plans approach and test strategy for performance testing and benchmarking to improve app response time and reduce database requests
- Develop interfaces to reduce unnecessary inheritance issues in personal scheduler application

Systems Programming TA   **07/2021 – 12/2022**
Cal Poly Pomona Foundation Inc – Pomona, CA

- Assisted students with programming assignments by providing code debugging support.

EDUCATION

Bachelor of Science in Computer Science | 12/2022
California State Polytechnic University-Pomona – Pomona, CA
Cal Poly Pomona President's Honor List 2020 – 2022 | GPA 3.8

ADDITIONAL EXPERIENCE

- Montecarlo (Parallel Processing) – Developed three program using Threads in C/C++, MPI, and CUDA
- On-Time (Meeting Reminder Mobile App) – Developed and published a personal meeting scheduler mobile app on Google Play
- Image Recognition (web application) – Developed and deployed a single-page web application using Clarify ML models
- Page Popularity (Python Script) – Created a crawler to implement PageRank algorithms
- Matrix (C++ OOP) – Optimized matrix multiplication operation using three different algorithms