

# Kim Alfred A. Molina

## Computer Science Intern

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### SUMMARY

A Computer Science student with hands-on experience in developing mobile and web applications. I have built multiple projects such as a CPU Scheduling calculator, a CMS platform, and a food-scanning application. Currently pursuing a Bachelor of Science in Computer Science at Taguig City University, with strong foundations in programming, problem-solving, and modern technologies. Eager to apply my skills, gain real industry experience, and contribute to meaningful projects as an intern.

### EDUCATION

#### *Bachelor of Science in Computer Science*

Taguig City University

September 2022 - August 2026 (Expected)

### TECHNICAL SKILLS

- **Languages:** HTML, CSS, JavaScript , PHP, Java, Python
- **Frameworks:** React.js, React Native, Tailwind CSS, Django
- **Database Management:** Firebase, MySQL
- **DevOps / Tools:** Figma, Git, Github, CI/CD, Jest

### INTEREST

- Web Development
- Mobile App Development
- UI/UX Design
- Cloud Technologies
- AI & Automation

### SOFT SKILLS

- Problem-Solving
- Communication
- Teamwork
- Time Management
- Adaptability
- Quick Learner
- Leadership

### PROJECTS

#### *SnapNutrient MacroNutrient Food Scanner App* - Fullstack

2025

- Implemented full-stack data handling and persistence using Firebase (Realtime/Firestore + Authentication).
- Built and refined UI/UX: created screens, fixed bugs, and enhanced interactions for a polished mobile experience.
- Developed core app functions for image capture, food detection pipeline, and macronutrient estimation.
- Integrated background/cloud logic (Firebase functions) to process and store results.
- Wrote unit tests and component tests to ensure reliability and prevent regressions.
- Packaged and deployed the app using Expo.

**Tech stack:** React Native, Nativewind, Expo, Firebase, Jest

#### *EMC Training Portal Website* - Fullstack

2025

- Developed the full web-based for the Raspberry Pi activity monitoring system using React.js and Tailwind CSS.
- Implemented all Firebase integrations, including Authentication, Firestore/Realtime Database, and Cloud Storage.
- Built UI/UX components: registration forms, monitoring dashboards, user management pages, and real-time status views.
- Connected the website to the backend data from the fingerprint scans and video recordings, ensuring smooth and secure data flow.
- Created functions for handling user registration, data retrieval, record display, and automated logging.
- Improved interface logic, fixed UI bugs, and refined overall user experience for operators and admins.
- Maintained secure access control and proper data structuring across Firebase services.

**Tech stack:** React js, Tailwind CSS, Firebase