Allen Anthony Nagtalon

(310) 977-4862 | Carson, CA | ant.nagtalon22@gmail.com | [LinkedIn](#) | [Github](#)

TECHNICAL SKILLS

Java, Kotlin, C++, Python, HTML, CSS, PHP, CameraX API, Google ML Kit, Google Maps API, MySQL, MySQLi, Agile Workflow, Scrum, Gradle, Git, Github, Android Studio, VS Code, Eclipse, NetBeans, LaTeX, Figma, Microsoft Office

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TECHNICAL PROJECTS

SudokuWizard | Full-Stack Developer | [GitHub](#)   2021-present

A Kotlin-based mobile app showcasing fluency in Android development and Google API usage.

➢ Developed a back-tracking solving algorithm to complete sudoku boards given by the user via inputs on the custom board UI or scanning with the device's camera
➢ Implemented OCR Text Recognition via the CameraX API and Google's Machine Learning Kit to scan physical copies of sudoku boards as input (i.e. newspapers or sudoku books)

Wishmaker | Full-Stack Developer | [GitHub](#)   2020-present

A PHP-based website for users to plan wishlists around events for easier gift purchasing.

➢ Built a login/registration system using PHP and MySQL, allowing multiple users to browse through the website with secure login information
➢ Developed a MySQL database to link user accounts to their wishlists, related events, and gifts purchased for other users
➢ Designed the webpage with proper usage of HTML and CSS, allowing for a concise and informative user experience

CPP TiaMap | Full-Stack Developer | [GitHub](#)   2017

A navigation app for Android featuring POI's around the campus of Cal Poly Pomona

➢ Implemented a database of points of interest that are categorized and can be filtered and sorted via queries for given tags
➢ Utilized the Google Map API to offer the user with GPS and visual navigation features from the current location to any given marker on the map
➢ Showcases fluent usage of both Java and the Android Studio IDE

WORK EXPERIENCE

Tech Consultant | *Target* | Torrance, CA   2019-2020

➢ Drove sales by overseeing the guest service and merchandising of the electronics department
➢ Organized inventory stocks by managing inbound goods through Target's stock database
➢ Provided quality consultation about Target's tech products and services

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EDUCATION

Cal Poly Pomona | *B.S. in Computer Science* | Pomona, CA   2014-2018

➢ *Relevant Coursework: Software Engineering, Database Systems, Operating Systems*
➢ *GPA: 3.65*