Samuel Adrian Kosasih

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EDUCATION

University of Maryland, College Park   College Park, MD
Computer Science - Bachelor of Science   *Aug. 2021 – May 2024*
- GPA 3.46/4.0 - Semester Academic Honors: Fall 2022, Spring, 2023, Fall 2023, Spring 2024

EXPERIENCE

Associate Software Engineer Intern   June 2024 – Present
Inovalon   *Bowie, MD*
- Developed a JavaScript tool to streamline mapping object metadata properties using Swagger documentation by collecting JSON schemas from various endpoints, processing them, and exporting the data into multiple formats
- Leveraged Angular.js to develop core functionalities of an internal admin tool for managing customer enterprise accounts, including role assignment for customer employees and access provisioning for product applications

Web Development Intern   June 2023 – Aug 2023
Indonesia Infrastructure Guarantee Fund (IIGF) Institute   *Jakarta, Indonesia*
- Collaborated with a software engineer to design and develop an executive dashboard application to facilitate infrastructure project investments for Indonesian stakeholders within a notable government institution
- Coordinated with other divisions to comprehend dashboard requirements, translating to project-specific demands
- Leveraged JavaScript, Next.js, React, and Tailwind to craft the app, creating universal components, utilizing the App Router for seamless navigation, and ensuring a mobile-responsive view of dynamically arranged components

Student Lead Technician   Nov. 2021 – Present
UMD Division of IT | Terrapin Tech   *College Park, MD*
- Led a team of technicians with a mission to serve the UMD community by resolving technology challenges through step-by-step guidance and critical problem-solving skills, maintaining a high quality of customer service standards
- Held bi-weekly meetings with team members to settle concerns and ensure improved work performance
- Utilized the ServiceNow dashboard to create and keep track of over 500+ customer interactions, maintaining informative records of everything that happens in the store

PROJECTS

Pocket Garage | *React Native, Google Firebase*   July 2023
- A React Native Car Information Retrieval Application
- Developed a cross-platform React Native application, built upon the Expo framework, and written in JavaScript, that offers quick access to detailed specifications of various car models sold all around the world
- Leveraged APIs for real-time data retrieval and Google Firebase for efficient data management

Unity | *Swift, SwiftUI, Xcode*   April 2023 – May 2023
- Collaborated on a team project to develop an iOS application that rewards users for exploring their surroundings
- Utilized MapKit and HealthKit to integrate Apple Maps and Apple Health features into the application, allowing users to view their current location and track their number of steps
- Implemented reusable environment objects and dynamic state management using the Swift programming language, while utilizing the SwiftUI library to improve application accessibility and aesthetics for all users

Testudo Revamped | *HTML, CSS, JavaScript, Node.js, Bootstrap, MongoDB*   Dec 2022 – Jan 2023
- A Better Class Schedule System for Students of the University of Maryland
- Established a web server using Express.js that interfaced with the university's courses API to deliver course details based on user search queries, optimized by leveraging a remote MongoDB database for better performance
- Crafted dynamic HTML pages using EJS templates and employed JavaScript to transmit the appropriate data

TECHNICAL SKILLS

Languages: TypeScript, Java, Swift, Python, C, Ruby, SQL (Postgres), HTML/CSS, Racket (Lisp)
Frameworks: Angular, React, Node.js, Next.js, Flask, JUnit
Developer Tools: Git, Azure DevOps, Docker, MongoDB, VS Code, Xcode, PyCharm, IntelliJ, Eclipse