Kenneth George Valladares

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SUMMARY

Accelerated BS-to-MS Computer Science student at UCF (3.9 GPA), passionate about user-facing code and project-based learning. Avid web and mobile developer with focus in data structures and algorithms. Former JROTC Drill Commander, 2nd place national leadership finalist whose discipline, teamwork, and mission focus translate into effective technical leadership on every software team, delivering fast, scalable solutions.

EXPERIENCE

Software Development Intern

Toptech Systems   **May 2025 - Present，Longwood, FL**

- Contributing to a leading infrastructure software firm listed on the NYSE and part of IDEX Corporation, holding more than 55% of the global terminal-automation market and supporting operations in 66+ countries and 1,200+ terminals.
- Led the transition from legacy binary reports to interactive tables and visual charts using KoolReport, PHP, SQL, HTML, CSS, and MariaDB/MySQL.
- Improved report-generation speed by 95%, cutting runtime to 1.5–2 seconds and significantly enhancing analytics and decision-making processes.
- Collaborating with QA engineers and the development team to deploy the upgraded reporting solution in alignment with management and enterprise-user expectations to users worldwide.

Frontend Developer Intern

Orlando Korean Culture Center   **April 2025 - Present，Orlando, FL**

- Spearheading website migration from Wix to PERN stack with Vite and Tailwind CSS plus Stripe to create an iteratively refined UI/UX.
- Optimized SEO and implemented Google Sign-In, boosting visibility and enabling digital ticketing and donations.

Research Assistant

EXCEL Undergraduate Research Program | University of Central Florida   **January 2025 - April 2025，Orlando, FL**

- Recorded EDA, EKG, eye-tracking, and fNIRS data to study human factors in coding workflows under Dr. Paul Gazzillo.
- Analyzed biometric signals to identify stress patterns and proposed improvements for software-engineering environments.

PROJECT

Stride – Founder and Lead UI/UX Developer   **Gemiknights Hackathon June 28 2025**

- Invented and led a machine-learning running assistant with prompt engineering using Gemini LLM, MediaPipe and OpenCV to analyze form.
- Enabled users to create a custom coaches whose traits tailor Gemini prompts for individualized feedback and correction.
- Shipped a Gemini themed Flutter Mobile UI over FastAPI microservices and Supabase storage for rapid processing and responsiveness.

FitJourney- Project Manager & Full Stack Developer   **March 2025 - April 2025**

- Built a MERN + Flutter fitness tracker with calendar dashboard, notes, user streak system, email verification, and JWT-secured accounts.
- Designed a responsive Tailwind interface for seamless experience on both desktop and mobile devices.

SkipList- Java Data-Structures Project   **November 2024 - December 2024**

- Implemented a generic skip list compatible implemented using Sorted Set, Set, Collections, and Iterable, achieving $O(\log n)$ operations.

EDUCATION

Bachelor of Science in Computer Science (Accelerated BS–MS)

University of Central Florida, Burnett Honors College • 2027 • 3.921 GPA

- Pegasus Gold Award - Top 10 Knights - Excel Program – Dean's Honor List Spring 2025

COURSEWORK

Data Structures and Algorithms I–II, Statistical Methods I–II, Computer Logic and Organization, System Software, Object-Oriented Programming (Design & Process), Discrete Mathematics, Security in Computing

INVOLVEMENT

Cru Campus Ministry, Orlando Korean Cultural Center, Computer Science Honor Society, Knight Hacks, Knight's Blade, Genesis Church

SKILLS

Languages: Java (MTA), JavaScript, TypeScript, C++, C, Python (MTA), PHP, Dart, SQL
Full-Stack & Libraries: MERN, LAMP, React.js, Node.js, Express, MongoDB, MySQL, PostgreSQL, MariaDB, Supabase, CSS, HTML, Tailwind CSS, Bootstrap, Kool Report, Flutter, Mediapipe, Open CV, Fast API, Firebase
Tools & Platforms: Git, GitHub, Postman, REST API's, Nginx, Apache, Linux, Bash, Figma
Spoken Languages: Fluent English and Spanish; beginner Korean