

# Kenneth George Valladares

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## SUMMARY

### Professional Summary

Motivated and eager-to-learn Computer Science student at UCF's Burnett Honors College, currently pursuing an accelerated BS→MS with a Pegasus Gold Scholar distinction. Strong background in full-stack web development (PERN/MERN/LAMP), data visualization, and test-driven engineering. Skilled in optimizing performance, enhancing UI/UX, and integrating secure systems. Fluent in English and Spanish, with experience in human-centered research and collaborative project leadership. Poised to bring strong technical foundations, adaptability, and teamwork to a software engineering role.

## 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.
- Collaborate with QA engineers and the development team to deploy the upgraded reporting solution in alignment with management and enterprise-user expectations.

### 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 and PayPal integrations.
- Optimized SEO and implemented Google Sign-In, boosting visibility and enabling digital ticketing and donations.
- Integrated Google Sheets automation to log class sign-ups in real time and iteratively refined UI/UX.

### 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

### FitJourney- Project Manager & Full Stack Developer

March 2025 - April 2025

- Built a MERN fitness tracker with calendar dashboard, notes, user streak system, and JWT-secured accounts.
- Designed a responsive Tailwind interface for seamless desktop-to-mobile experience.

### SkipList- Java Data-Structures Project

November 2024 - December 2024

- Implemented a generic skip list compatible with SortedSet and Iterable, achieving  $O(\log n)$  operations with full JUnit coverage.

## 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, C++, C, Python (MTA), SQL, PHP  
Full-Stack & Libraries: MERN, LAMP, React.js, Node.js, Express, MongoDB, MySQL, HTML5, Tailwind CSS, Bootstrap, KoolReport  
Tools & Platforms: Git, GitHub, Postman, REST APIs, Nginx, Apache, Linux, Bash  
Spoken Languages: Fluent English and Spanish; beginner Korean