Ethan Ernesto Lopez

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EDUCATION

Chapman University, Orange, CA
Bachelor of Science in Data Science
Minor in Business Administration

Expected Graduation May 2026
3.89 GPA

Relevant Coursework:
- Applied Business Analytics
- Database Management
- Artificial Intelligence
- Data Structures & Algorithms
- Human-Computer Interaction
- Data Networks & Communications
- Machine Learning

TECHNICAL SKILLS

Computer Languages - R | Python | SQL | C | C# | C++ | LINUX | Java | JavaScript | Arduino IDE | Swift | HTML5/CSS
Technologies & Packages - Docker | Tableau | VS Code | MS Excel, Word, Office | SciKit-Learn | Dplyr | UNIX Commands

PROFESSIONAL EXPERIENCE

Academic Tutor | *Chapman University*   September 2024 – Present
- Tutor various STEM courses with a focus on statistics, data analysis, financial modeling, and computational methods.
- Explain analytical concepts to 5+ students per quarter using Excel (regression), Python (NumPy, pandas), and R.

Senior Leadership Instructor | *UTO Taekwondo - Cypress, CA*   March 2018 – Present
- Supervise 15+ youth per shift, manage entry-level team members, oversee studio operations, and provide basic office support by preparing display areas and handling customer inquiries via phone.

Student Data Entry / Administrative Assistant | *Chapman University*   June 2025 – August 2025
- Supported administrative operations at the Donna Ford Attallah College of Educational Studies by properly formatting documents and spreadsheets, managing databases, and overseeing more than 50 student records.
- Conducted research on 70+ graduates and program enrollment trends through search engines and social media.
- Produced statistical reports, visualizations, and internship feedback summaries though Excel, analyzing and assessing the results of Qualtrics survey data to increase stakeholder understanding by 25%.

Teaching Assistant – Arduino Smart Car Workshops | *Chapman University*   June 2025 – July 2025
- Supervised and assisted with Arduino-based robotics construction, wiring, troubleshooting, and programming.
- Executed soldering, monitored 20+ workshop materials, and applied Office tools for document accessibility.
- Offered technical support to over 40 students in circuit design, robot components, and code deployment processes.

RELEVANT PROJECTS & EXPERIENCE

Statistical Models Capstone – *Business Operations Analyst*   November 2025 – December 2025
- Collaborated with 2 others to integrate Jupyter machine learning with 9 million online booking records.
- Implemented data cleaning to extract trends and apply clustering analysis for 6 customer segmentations.
- Trained 5+ regression and classification models to produce predictive insights, validating accuracies using appropriate metrics, and designing Matplotlib visualizations to present key drivers to a non-technical audience.

BlockChain Node Constructor – *Main Interface Programmer*   April 2025 – May 2025
- Developed a standardized C++ mechanism for lightweight database management systems, enabling object-level analysis, 5+ file inputs and outputs, and real-time data ingestion for efficient querying and retrieval.

ProGach Screen Time Control App – *Documentations Manager/Assistant Developer*   January 2024 – May 2025
- Handled team file procedures and communicated with 3+ specialists to support research documents.
- Contributed to app customization through concept design, materials synchronization, and progress reporting.
- Developed 2 intuitive user interface components and applied significance testing using Excel visualization tools.

ACADEMIC AWARDS AND LEADERSHIP

Provost's List   2023, 2024, 2025
Presidential Scholarship Award   August 2022 – May 2026
California State Seal of Biliteracy (Korean)   May 2022