Theodore Weicker V

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EDUCATION

California Polytechnic State University, San Luis Obispo (Cal Poly) — San Luis Obispo, CA
*Bachelor of Science in Computer Engineering, CDSM in Data Science, **GPA: 4.00*** — *Sep. 2023 – May 2027*

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, TypeScript, C#, SQL (Postgres), R, SystemVerilog, DAX
Frameworks & Tools: React, Node.js, Express, Git, VSCode, IntelliJ, Postman, Vivado
Systems & Platforms: Ubuntu, UNIX, Zoho CRM, Power BI, Microsoft Excel

EXPERIENCE

Security DevOps Intern — June 2025 – Aug. 2025
Vantage Data Centers — *Santa Clara, CA*
- Built internal access platform with systems team, streamlining company-wide identity workflows
- Redesigned KPI infrastructure using real-time pipelines to consolidate metrics from distributed systems
- Revamped internal operations hub with modular components, improving UX and system scalability
- Developed backend automation scripts to drive live KPI updates, reducing manual input by over 90%
- Designed a dynamic scoring algorithm to quantify diverse metrics and generate self-syncing site-wide KPI scores

Software Engineering Intern — June 2024 – Oct. 2024
ZRM — *Copenhagen, Denmark*
- Engineered five custom Zoho CRM systems using Deluge/JavaScript, boosting client lead generation by 20%
- Led key projects including implementation for F.C. København (FCK), Denmark's largest sports club
- Executed comprehensive onboarding and training for teams up to 10 people, ensuring 100% adoption rates
- Enhanced system performance through optimized algorithms and efficient front-end/back-end development

Academic Tutor — June 2023 – Present
Wyzant — *Remote*
- Provided personalized tutoring to students aged 10-22 in AP Physics, Calculus, SAT Math, and Linear Algebra
- Helped students significantly improve their SAT scores, some increasing from the 50th to the 97th percentile
- Maintained perfect satisfaction rating (5.0/5.0) across 60+ student reviews while building tutoring business

Startup EdTech Intern — Jan. 2022 – May 2022
Optimem — *Durham, NC*
- Architected AP Computer Science A flashcard system for iOS app "Optimem," enhancing user engagement by 25%
- Implemented Ebbinghaus Forgetting Curve based algorithm that improved knowledge retention rates by 40%

PROJECTS

Shopping List Web App | *PostgreSQL, Express, React, Node.js* — March 2025 – Present
- Built a full-stack shopping list application with persistent item states, custom themes, and responsive design
- Developed RESTful API routes and integrated frontend features for create, read, update, and delete operations
- Added support for user-specific data, priority flags, and timestamp tracking in the backend
- Currently implementing user authentication and enhanced database querying for multi-user support
- Exploring AI-powered features using OpenAI APIs to enable smart item suggestions and predictive sorting

TCP & Socket Chat Program | *C, Git* — Jan. 2025 – April 2025
- Designed robust application-level PDUs and network functions supporting real-time message delivery
- Developed versatile communication protocols enabling unicast, multicast, and broadcast across devices
- Created dynamic handle table architecture enabling seamless client-server data synchronization

RELEVANT COURSEWORK

CPE: Systems Programming, Computer Networks, Computer Architecture, Digital Design, Electronic Circuits
CS: Data Structures, Algorithms, Introduction to Data Science (IP), Object-Oriented Programming, Computer Security
Other: Linear Algebra, Multivariable Calculus, Physics (E&M + Mechanics), Statistical Computing with R (IP)
Activities: Cal Poly Pickleball Club Secretary, Theta Chi Fraternity Scholarship Chair