Thomas A. Comeau

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EDUCATION

San Diego State University   **San Diego, California**
B.S. in Computer Science   *May 2025*

- o **Concentrations:** Intelligence and Modeling/Simulations
- o **GPA:** 3.53
- o **Related Coursework:** Data Structures, Algorithms, Computer Organization, Machine Learning, Intro to Artificial Intelligence, Statistics & Applications, Computer Security, Computer Architecture**,** Operating Systems

EXPERIENCE

Eureka Mountain View   **Mountain View, California**
Host   *May 2023 – Aug 2023*

- Efficiently managed reservations, welcomed guests, and ensured smooth seating coordination for an exceptional dining experience.

Home Depot   **Campbell, California**
Order Fulfillment Associate   *May 2022 – Aug 2022*

- Received and processed incoming stock and materials, picked and filled orders, and assisted with warehouse organization and safety regulations.

PROJECTS

Social Media Workout App (IOS/Android)   **San Jose, California**
Typescript, Javascript (React Native TSX), PostgreSQL   *October 2025 - November 2025*

- Built a cross-platform React Native + Expo mobile client with 3-tab navigation, TypeScript typing, and AsyncStorage-based session persistence for thousands of daily workouts.
- Developed a Node.js/Express REST API (20 + endpoints) backed by PostgreSQL with 8 relational tables (users, workouts, sets, follows, likes, comments, etc.), secured via bcrypt password hashing and JWT authentication.
- Implemented social engagement features—real-time feed, follows, likes, and threaded comments—enabling personalized workout insights with < 200 ms response times through optimized SQL queries and caching.
- Ran Expo/TypeScript CI with Jest + ESLint and EAS builds, trimming release regressions by 30%.

Interactive UFC Prediction Dashboard   **San Diego, California**
Python, Streamlit, Plotly, HTML   *June 2025 – July 2025*

- Developed a UFC fight outcome prediction web app with an 84.6% agreement rate between logistic regression and gradient boosting models.
- Engineered data pipelines to normalize and pre-process historical fight datasets from Kaggle.
- Built an interactive Streamlit dashboard with Plotly visualizations for model comparison, prediction confidence, and fighter performance insights.
- Implemented a HTML frontend for real-time fighter comparisons and outcome predictions.
- Leveraged RooCode to boost development productivity.

Surf Spot Recommendation App   **San Diego, California**
React, Node.js, Express, PostgreSQL   *June 2025 – July 2025*

- Built a full-stack web app that aggregates real-time surf forecasts and ranks California surf spots based on user preferences including skill level, wave height, and wind tolerance.
- Developed a RESTful API with Express.js backed by PostgreSQL.
- Integrated real-time weather data using the StormGlass API.
- Implemented a responsive React frontend with geolocation, user preference management, and forecast visualizations.

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, SQL, Node.js, React.js, MATLAB, C++, C, Swift (iOS)
Tools: PyCharm, Eclipse, AWS, Linux, Jupyter Notebooks, Git, Bootstrap, Spring Boot, Agile, VS Code, Chrome DevTools, XCode