Olive Maunupau

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EDUCATION

University of California, Davis - Davis, CA
Bachelor of Science, Computer Science Major, College of Engineering
Engineering GPA: 3.5/4.0
Relevant coursework: Operating Systems & System Programming, Computer Architecture, Software Development in UNIX & C++, Computer Networks, Machine Learning, Artificial Intelligence, Algorithm Design & Analysis

PROFESSIONAL EXPERIENCE

Fullstack Software Engineer - *The Maunupau Method* November 2024 - Present

- Designed and developed the frontend for a responsive web application using React.js, creating reusable components, dynamic forms, and modern CSS3 styling to ensure visual appeal and responsiveness across devices
- Independently created the logo, wireframes, and layouts, applying strong self-management skills and incorporating user-centric design principles. Currently working on backend integration using Node.js and Express

Frontend Software Developer -Radical AI June 2024 - August 2024

- Crafted React Admin Dashboard with Material UI, enhancing user interaction and interface efficiency
- Collaborated on AI-driven career coach, optimizing real-time recommendation for learners
- Implemented interactive charts and dynamic tables, improving data visualization and accessibility

Sports Broadcasting Crew Member - *UC Davis Intercollegiate Athletics* September 2022 - June 2023

- Quickly learned and applied technical skills to configure and operate advanced streaming cameras for live Division 1 games, ensuring optimal video quality and seamless integration into ESPN+ broadcast systems
- Collaborated with a multidisciplinary production team to troubleshoot technical issues in real-time, maintaining smooth streaming operations and demonstrating strong teamwork and problem-solving skills in a high-pressure, fast-paced environment

PROJECTS

Employee Productivity Prediction - Self-Driven initiative October 2024

- Engineered a linear regression model to predict employee productivity, leveraging key features such as job title, monthly salary, work hours, and overtime using a Kaggle dataset. Utilized Python, Pandas, and Scikit-learn to preprocess data and build predictive models, achieving a high R^2 score of 0.97
- Applied data visualization techniques with Matplotlib and Seaborn to identify key productivity drivers. Optimized model performance by addressing multicollinearity and feature scaling, improving overall prediction accuracy and contributing to actionable business outcomes

Gunrock Concurrent Web Server - Operating Systems November 2023

- Transformed a single-threaded web server into a multi-threaded, high-performance server in C++ to handle concurrent HTTP/1.1 requests
- Designed a thread pool with FIFO scheduling and implemented producer-consumer synchronization using custom dthread functions, improving request handling efficiency and ensuring robust, scalable performance under load.

SKILLS

- Earned a full scholarship as a Division 1 athlete, advancing from walk-on to Team Captain of the UC Davis Women's Tennis Team, recognized for leadership, sportsmanship, and balancing 20+ hours of weekly training with academic and professional commitments
- **Programming languages:** Java, JavaScript, C/C++, Python(NumPy, Pandas, Matplotlib, Plotly, Tensorflow, Keras, PyTorch, Scikit-learn), HTML, CSS, SQL
- **Developer Tools:** React, Node.js, Express.js, MongoDB, Git/GitHub (version control), Linux commands, Wireshark, Docker, Shell Scripting
- **Networking & IT Knowledge:** TCP/IP protocols, JSON, Multi-threaded programming, Troubleshooting hardware/software issues
- **Soft Skills:** Strong problem-solving abilities, collaborative team player, quick learner in technical environments
- **In pursuit:** Google Cybersecurity Certification