William Wesley Sianto
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EDUCATION

University of Toronto, Canada
Bachelor's Degree of Mechanical Engineering and a Minor in Artificial Intelligence Engineering *September 2022 - Present*

General Assembly, Remote
Certificate of Completion, Software Engineering Immersive (SEI) *June 2023 - September 2023*

SKILLS

Languages: JavaScript, HTML, CSS, Python, SQL, MongoDB / Mongoose, JSON, EJS, Handlebars, MATLab, Simulink, Bash, C
Libraries and Frameworks: React, React Native, Express.js, Node.js, SpingBoot, Django, Bootstrap, PyTorch, TensorFlow
Database: PostgreSQL, MongoDB
Other: RESTful Routing, REST API, JSON API, MERN Stack, Postman, Alteryx, Tableau, Git / GitHub, Linux, Unix, Visual Studio Code, Agile, Scrum, Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Microsoft Outlook, AWS, Google Cloud
Spoken Languages: English (Fluent), Bahasa Indonesia (Fluent), Chinese (Conversational)

PROJECTS

Deep Hoopers | Machine Learning Engineer *October 2023 - November 2023*

- Technologies: Python3, TensorFlow, PyTorch
- Collaborated within a three-member team to develop a GRU encoder-decoder + GAT (Graph Attention Network) based model, achieving a 90% accuracy in predicting multi-agent trajectories in basketball up to 15 seconds into the future.
- Spearheaded the implementation of GAT and GCN model codes in PyTorch, demonstrating proficiency in leveraging advanced machine learning frameworks.
- Executed extensive testing on the final model using test data, meticulously recording and analyzing its performance results on the test dataset.
- Coded and designed the baseline model (Multi-Layer Perceptron), performed hyperparameter tuning, and evaluated performance results.

Home-Sweet-Home App (Real Estate App) | Full Stack Developer *August 2023*

- Technologies: Python, Django, HTML, CSS, JavaScript, PostgreSQL, Materialize Framework, AWS
- Implemented a robust CRUD system, enabling users to effortlessly manage property listings and furniture entries by creating, recording, editing, and deleting them.
- Facilitated user engagement with features like appointment scheduling, review submission, and dynamic cost calculation for personalized lists of favorite furniture and listings.
- Utilized Google Maps API to visually display a listing's location based on its address directly within the listing page, enhancing the user experience with geographical context.
- Enforced a secure Django user authentication system, restricting access to listings and furniture exclusively to signed-in users for enhanced data privacy.
- Implemented user-specific authorization, allowing only the creator to edit or delete their respective listings and furniture entries, ensuring data integrity and personalized content management.

PAST INTERNSHIPS

IndoHybrid Bangun Estetika | Engineering Intern *June 2020 - July 2020*

- Polished concrete flooring materials, consistently earning high client satisfaction.
- Pioneered the engineering and implementation of streamlined polishing processes, achieving roughly a 10% reduction in project completion time while optimizing resource utilization, exemplifying a commitment to operational excellence and precision in execution.
- Contributed to the implementation of rigorous quality control measures to uphold high standards in the finished products. Helped conduct regular inspections to identify and rectify imperfections, contributing to consistently superior results.

Ehwa Indonesia | Manufacturing Engineer Intern *June 2021 - July 2021*

- Collaborated in the successful production of diamond tools with a focus on efficiency and precision, contributing to the fulfillment of client orders within specified timelines.
- Acquired expertise in the use of Computer-Aided Design (CAD) software for tool design, contributing to more accurate and streamlined manufacturing processes.
- Maintained detailed documentation of manufacturing processes and generated reports on manufacturing efficiency, contributing to the assessment of performance metrics and the identification of areas for further improvement.