

Chrishansel Raphael Dimiputra

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EDUCATION

Bachelor of Science in Computer Science and Software Engineering
University of Washington Bothell

June 2024
Bothell, WA

WORK EXPERIENCE

MEWS Research Group
Researcher and Developer

Bothell, WA
March 2024 – June 2024

- Applied preprocessing techniques such as bandpass filtering, channel normalization, and reference averaging using MNE, NumPy, and Pandas to clean the raw EEG data, ensuring accurate and reliable data for further analysis.
- Trained multiple supervised models, including logistic regression, SVM, and decision trees using sci-kit-learn, to classify different types of emotions from EEG data, employing robust machine learning techniques.
- Achieved accuracies of 80%, 79%, 68%, and 77% for emotions such as joy, anger, calm, and energizing through rigorous model training and evaluation, demonstrating the effectiveness of predicting different emotions using machine learning.

PT Alam Sutera Realty Tbk
Web Development Intern

Banten, Tangerang
July 2022 – August 2022

- Developed and maintained responsive websites using HTML, CSS, and JavaScript, ensuring optimal user experience across multiple devices and browsers.
- Prepared reports and correspondence detailing the project specifications, activities, and status leading to a 10% increase in work efficiency.
- Conducted code reviews and provided constructive feedback to team members, promoting best practices and ensuring code quality and consistency.

PROJECTS

Reemedy

Bothell, WA
April 2024

Project Link: <https://devpost.com/software/reemedy>

- Developed a progressive web app utilizing OpenAI's API to recommend personalized remedies based on user input and preferences, enabling users to efficiently find natural solutions and share their experiences within a supportive community.
- Conducted user studies with a Figma prototype to ensure a user-friendly interface, providing an intuitive and seamless user experience.
- Optimized algorithms through extensive experimentation to enhance prompt engineering, ensuring more accurate and relevant remedy recommendations.

Animal Shelter Database

Bothell, WA
December 2023

GitHub Link: <https://github.com/Chrishanselrd/PawsAndHeart>

- Designed a database management system for animal shelters by utilizing entity relations diagrams and relation models to increase the efficiency of users in querying and retrieving data.
- Evaluated the database management system by incorporating fake data sets of over 2000 entries to ensure robustness, functionality, and performance.
- Developed a simple static web application incorporating HTML, CSS, and Python to seamlessly implement CRUD functionality, providing a user-friendly interface for efficient data manipulation.

LEADERSHIP EXPERIENCE

Orientation Transitions Programs University of Washington Bothell
Orientation Leader

Bothell, Washington
March 2022 – June 2024

- Demonstrated strong problem-solving skills by effectively addressing unexpected difficulties and quickly adapting to challenging circumstances during orientation, ensuring a seamless and positive experience for incoming students.
- Assisted with the planning and execution of campus-wide events, including welcome week activities and information sessions, reaching over 2000 incoming students.
- Collaborated with campus departments and student organizations to develop and deliver informative workshops on academic resources, campus services, and student involvement opportunities.

SKILLS

Skills: C++ | Java | Python | HTML | CSS | SQL | Microsoft Azure | Amazon Web Services | Figma | Canva | Teams