Oween Barranzuela Carrasco

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Bahnhofstraße 21, 94469 Deggendorf, Germany

OBJECTIVE

Motivated AI student seeking an internship or working student position to apply skills in machine learning, data analysis, and software development. Eager to contribute to innovative projects involving AI solutions, while gaining hands-on industry experience and expanding technical expertise.

EDUCATION

- **Technische Hochschule Deggendorf** — *Since 10/2023* — Deggendorf, Germany
  Artificial Intelligence, B. Sc.
  ◦ GPA: 2.3 (5th. semester)

- **Vilnius University of Applied Sciences** — *Sep–Nov 2025* — Virtual + On-site
  Erasmus+ Blended Intensive Programme (Mobility) — University Student Registration System
  ◦ Selected for an international Erasmus+ mobility program focused on designing and prototyping a university student registration system with focus on academic information system requirements, UX design, authentication modules, and database architecture

- **Selçuk University** — *2019-2023* — Konya, Türkiye
  International Economics and Relations, B. A.
  ◦ GPA: 3.64/4.00

- **Santisima Cruz High school** — *2011-2015* — Piura, Peru
  Secondary Education
  ◦ GPA: 18/20

EXPERIENCE

- **Technische Hochschule Deggendorf** — *Oct 2025 – Present* — Deggendorf, Germany
  Student Research Assistant (Hiwi)
  ◦ Preprocessing and cleaning multi-parameter environmental sensor data (pH, dissolved oxygen, conductivity, temperature) from low- and high-cost measurement systems.
  ◦ Conducting data analysis and quality evaluation on one year of continuous water quality observations to detect trends, anomalies, and calibration differences
  ◦ Developing and comparing machine learning models (regression, tree-based, neural networks, time-series forecasting) to predict key water quality indicators

- **Technische Hochschule Deggendorf** — *03/25 - 07/25* — Deggendorf, Germany
  Orientation and Integration Tutor for International Students
  ◦ Oriented and supported international students in the AI program, assisting with academic and administrative matters in both English and German
  ◦ Organized onboarding events and activities to foster integration and cross-cultural exchange for new students

- **Statista GmbH** — *09/2023 - 11/2023* — Remote
  Research Assistant
  ◦ Processed and structured datasets, ensured data accuracy, and wrote concise editorial summaries in English for a global audience
  ◦ Supported content editors in curating and publishing statistical data for the Statista.com platform.

- **Özgayd Automotive** — *08/2019 - 07/2022* — Konya, Türkiye
  Market Researcher
  ◦ Discovered 100+ potential cylinder head importers across South America using company datasets, exhibition visits, and email/telephone surveys.
  ◦ Contributed to an 80 percent increase in regional sales (2019–2022) by actively acquiring new clients through strategic phone outreach and in-person business meetings

PROJECTS

• **Chat with Me — AI Personal Q/A Chatbot**   *2025*
Tools: Langchain, Gemini 2.5 Flash, Google Embeddings
  ◦ Developed an AI chatbot using Gemini 2.5 Flash, Google Embeddings, and LangChain Retrieval to answer personalized questions about my background, skills, and academic profile.
  ◦ Implemented a custom prompt-driven RAG architecture with a structured knowledge base to deliver context-aware, human-like responses simulating a real interview experience.

• **Sperm Image Classification with Machine Learning**   *2025*
Tools: Pandas, Numpy, Scikit-Learn
  ◦ Built an image classification pipeline for detecting sperm vs. non- sperm cells using 3000+ RGB-labeled images.
  ◦ Applied statistical and histogram-based feature extraction.
  ◦ Tuned KNN, Random Forest and SVM models using GridSearchCV to optimize performance
  ◦ Evaluated models using accuracy, confusion matrix, and feature selection techniques.

• **IcebergAI: full-stack ML web app**   *2025*
Tools: React+Vite, Docker, Gitlab, JS
  ◦ Developed a responsive React frontend and deployed the system using Docker
  ◦ Led a 7-member team using GitLab for task tracking; authored system requirements and technical documentation

SKILLS

• **Programming Languages:** Python, SQL, JavaScript, Java
• **Web Technologies:** HTML, CSS, Streamlit, Flask, React
• **Database Systems:** MySQL, PostgreSQL, SQLite
• **Data Science & Machine Learning:** Python, Scikit-learn, XGBoost, LightGBM, PyTorch, Pandas, NumPy, HuggingFace, LangChain
• **Cloud Technologies:** Google Cloud Platform, AWS, Heroku
• **DevOps & Version Control:** Git, GitHub, Docker, CI/CD, Linux
• **Specialized Area:** Machine Learning, Deep Learning, Recommendation Systems, Natural Language Processing (NLP)
• **Mathematical & Statistical Tools:** R, Excel, Probability, Statistics
• **Other Tools & Technologies:** Jira, Power BI, Tableau, LaTeX, Rasa, Jupyter Notebook
• **Research Skills:** Data Analysis, Feature Engineering, Model Optimization, Cross-validation, Experimental Design, Technical Documentation

HONORS AND AWARDS

• **STIPET Scholarship**   *2025*
DAAD (Deutscher Akademischer Austauschdienst)
  ◦ Awarded for special commitment at THD

CERTIFICATIONS

• LangChain – Develop AI Agents with LangChain and LangGraph by Udemy

• Supervised Machine Learning: Regression and Classification by Coursera

ADDITIONAL INFORMATION

Languages: Spanish (Native), English (C1), German (B2), Turkish (C1), Portuguese (A1)
Interests: Travelling, Gym, Cooking, Dance, Gaming