ALEJANDRO ITO ARAMENDIA

Software Engineering Enthusiast Looking to Develop Software that Offers
a Positive Business and Social Impact

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EDUCATION

Tohoku University, Japan – *BEng Mechanical and Aerospace Engineering*   2021 – 2025
GPA: 3.35, Finite Element Method (FEM) Analysis (Python), Pygame (Python)

King's College London Maths School, UK – *A-Levels*   2019 – 2021
A*AAA in Maths, Further Maths, Physics and Computer Science (AS)

EXPERIENCE

Junior Researcher – *Ishii Lab, Tohoku University*   Oct 2023 – Oct 2024
- Developed a MATLAB GUI to automate and model complex vector fluid flow, currently used by researchers to analyse multiple datasets.
- Used regression techniques in MATLAB to analyse the propagation speed of urethra tissue when voiding.

English Teacher – *Lanny's English School, Sendai*   Oct 2023 – Present
- Teaching English to adults and kids of all ages with a special focus on conversation. I have planned all lessons myself with 7 new students (+40%) deciding to take my class.

PROJECTS

SRS Japanese Flashcard Website – *JavaScript, HTML/CSS, PostgreSQL*   Apr– Sep 2024
- Created a flashcard system with added functionalities making learning Japanese kanji easier and more enjoyable for learners.
- Required knowledge in API Design, User Authentication and Database Handling.

Chess Game – *JavaScript, HTML/CSS*   Mar – Apr 2024
- Required substantial problem solving to handle multiple cases and move patterns. For example, marking only legal moves with red dots, i.e. not moving into check or captures.

International PBL Workshop 2023 – *National Taipei University of Technology*   Aug 2023
- As a team, created a robot in C++ with an Arduino that could identify different coloured balls and take them to the designated location.
- For two weeks, I led the presentations for my team, communicating our progress and aims to the judges and 100 other participants.

SKILLS

Programming – JavaScript, Node.js, Express, HTML/CSS, SQL, Python, MATLAB
Languages – English (Native), Spanish and Japanese (Limited Professional Proficiency)

INTERESTS

Sports – Taekwondo and Table Tennis (County Level) and Badminton, Tennis and Kick Boxing (Club Level)
Chess – Played Nationally for Kent for 5 years and now play as a hobby