José Ángel Olmedo Guevara

📞 (55) 6074-7434 ✉ joseangelolmedoguevara@gmail.com ⓖ [josolmedo](#) 🌐 [josolmedo.github.io](#)

ABOUT ME

Mecatronics Engineering intern, currently pursuing a second bachelor's degree in Computer Science. Passionate about technology and software development, with advanced English proficiency (C1) and hands-on experience in artificial intelligence, web development, algorithm analysis, and robotics.

EDUCATION

Bachelor of Science in Mechatronics Engineering   August 2019 – May 2024
Universidad Nacional Autónoma de México

Bachelor of Science in Computer Science   August 2024 – Present
Universidad Nacional Autónoma de México

SOFT SKILLS

Self-directed learning || Teamwork || Proactivity || Effective communication || Time management | Adaptability

TECNOLOGIES

- **Languages:** C, C++, C#, Java, Python, LaTeX, Markdown.
- **Data Bases:** MySQL, PostgreSQL, SQLite.
- **Microcontrolers :** Arduino, Raspberry Pi Pico, ESP32.
- **Tools:** Git, GitHub, Jira, Confluence, Power BI, Trello, Notion.
- **Data & AI:** NumPy, Pandas, PyTorch, OpenCV.
- **Web:** HTML, CSS, Flask, Tkinter.
- **OS:** Windows, Linux (Ubuntu, Debian, Fedora).

EXPERIENCE

Application Development Analyst Programmer II - Banamex   June 2024 – January 2025
Automated End-User Computing (EUC) processes using SAS and Python.
Generated data-analysis reports on banking operations; built interactive dashboards with Python and Excel.
Contributed to certifying the System Development Framework as the standard for EUC remediation tools.

Social Service Intern - IIMAS/UNAM   January 2024 – June 2024
Designed motion algorithms (potential fields, A*, Dijkstra) for a mobile educational robot.
VCreated spectrogram visualizations for a forensic voice-identification system.
Provided hardware and software support to laboratory users and computer systems.

Mathematics & Physics tutor   January 2023 – January 2024
Delivered remedial classes from primary through university levels.
Co-organized and taught COMIPEMS exam preparation and university-entrance review courses.

LANGUAGES

English: C1

VOLUNTEERING

Society of Artificial Intelligence, UNAM Engineering Faculty (SIAFI)   August 2022 – August 2023
Autonomous Gesture-Controlled Drone: Developed vision-based gesture recognition and control.
Mexican Sign-Language Translator: Built an automated translation prototype.

PROJECTS

- Six-degree-of-freedom serial robot arm with Bluetooth mobile control.
- Public-transport passenger registration SIGFOX wireless and mobile-app display.
- CNC-machined component design and assembly (turning, milling, 3D printing).
- Environmental sensor (temperature, humidity, motion) with web-based dashboard.
- Machine-learning model to estimate glaucoma risk from medical history.
- Algorithm implementations (search, sort, ML) in Java, Python, and C++.
- State-feedback controller design for a Furuta pendulum (MATLAB).

PROFESSIONAL COURSES

- Play It Safe: Manage Security Risks (Coursera, 11h)
- Foundations of Cybersecurity (Coursera, 6h)
- Macro-training in Artificial Intelligence (20h) - Public Latin American Universities Network.
- Getting Started with Power BI Desktop (Coursera, 2h)
- Robotics (20h) - Applied Robotics Association (ARACT)