



Max Garcia Hinojosa

Date of birth: 14/04/2002 | Phone: (+358) 0442482082 (Mobile) | Email address: mxgh@duck.com | Website: <https://tinyurl.com/aboutmaxgh> , <https://gitlab.com/maxgarcia1441> | LinkedIn: <https://www.linkedin.com/in/max-garcia-832178264/> | Address: Oulu, Finland (Home)

About myself

I am a Computer science student and Neuroscience enthusiast. I specialize in building experimental setups from the ground up. I combine my digital fabrication and computer science background to turn simple hypothesis testing into real life experiments.

Work experience

Research Assistant | University of Oulu, UBICOMP | 01/02/2024 - Current | Oulu, Finland

- Design experiments with multimodal recordings including EEG, eye-tracking, physiological sensors and other self reported data.
- Collect, preprocess, and analyze biosignal data using MATLAB, EEGLAB, ERPLAB, and Python libraries such as SciPy and PyTorch focused on ERP extraction and interpretation.
- Design experimental VR environments in Unity.
- Served as a teaching assistant for the VR Systems and Humans (521291S) course.

Research Trainee | University of Oulu, Optoelectronics and Measurements Techniques Research Unit | 01/06/2022 - 31/08/2023 | Oulu, Finland

- Developed and implemented LabView educational software for electrical engineering students.
- Created a 3D environment using 360° photos to emulate a drone exploring the corridors of ITEE, similar to Google Maps.
- Developed a simple physics engine to handle collisions within the 3D environment.
- Implemented the project in Java and OpenGL.
- Redeveloped the same project in Unity (C#) for Android.

Student Ambassador | University of Oulu | 10/2021 - 10/2023 | Oulu, Finland

- Helping potential students to more clearly define and follow their academic path.
- Visiting high schools, academic institutions and educational fairs providing information about the University of Oulu.

Maritime Engineer Cadet | Finnlines | 06/2021 - 07/2021 | Turku, Finland

- Assisted on the repair and service of electrical and mechanical equipment onboard ships.
- Evaluated the performance of maritime engines.
- Assisted in coordinating evacuation and safety drills.
- Maintained service records and other technical documents.

Research Assistant | Institute of Chemistry, UNAM | 05/2019 - 07/2019 | Mexico City, Mexico

- Performed own research on "Stability of Carbon Radicals".O
- Organized sets of experimental data, enabling a more intuitive visualization.
- Accessed supercomputer Miztli to perform computationally intensive calculations.
- Utilized specialized programs such as AIMAll and Gaussian 16.

Robotics Instructor | ARACT UNAM | 01/2019 - 04/2019 | Mexico City, Mexico

- Instructed young people in the foundations of robotics and programming in C++.
- Designed Arduino classes for high school students.
- Set up computers, simple network systems and delivered step-by-step instructions on basic use.

Education & Training

Computer Science and Engineering MSc | University of Oulu | 06/2025 - Current | Oulu, Finland

Computer Science and Engineering BSc | University of Oulu | 08/2021 - 05/2025 | Oulu, Finland

Maritime Technology | Novia University of Applied Sciences | 08/2020 - 07/2021

Completed 52 ECTS towards BEng.

Space Academy Camp | 07/2019 | United States

Language Skills

Mother tongue(s): **Spanish**

	Understanding		Speaking		Writing
	Listening	Reading	Spoken production	Spoken interaction	
English	C2	C1	C1	C1	C1
French	B1	B1	B1	B1	B1
Finnish	B1	B1	B1	B1	B1

Skills

C# | Java | Python | Git | Unity | LabView | R | ERPLab | EEGLAB | Scipy, Numpy, Scikit-learn, Tensorflow, Pytorch, Pandas, Keras | Matlab

Accomplishments

Member of DICE program committee at the University of Oulu | 01/2022 - 08/2024

Award for good academic performance from Sjöfartsstiftelsen. | 06/2021