JAVIER GATÓN HERGUEDAS

Computer Engineer

@ javigaton@gmail.com   📞 (+34) 648 844 408   🔗 javgat.github.io   ⚲ javgat   in javier-gaton-herguedas

Experienced with: | Java | C | Angular | Ionic | Go | Typescript | Python | Qt | SQL | UML

WORK EXPERIENCE

Computer Engineer - Research Assistant
University of Valladolid - Grupo de Óptica Atmosférica (GOA-UVa)

📅 January 2022 - Present   📍 Valladolid - Izaña Observatory (Tenerife)

- Developed packages and desktop applications with **Python** and **Qt**.
- LIME project:
  - European Space Agency's (ESA) project. Improving the Lunar Irradiance Model of ESA (LIME):
  - Developed part of the LIME ToolBox, a desktop application for the simulation of lunar observations from Earth and satellites.
  - Took lunar irradiance measurements at Izaña Observatory (Tenerife) during the moons of April, May and September of 2022.
  - Creation of **Python** packages for the automatic control of measuring instruments through Ethernet and Serial ports. The most important one: solys2.
- Developed software for interfacing with All-Sky cameras.

- -

Junior Software Engineer
HP SCDS

📅 July 2021 - December 2021   📍 León

- Current Product Support Engineer of HP Click, using **Typescript**, **Angular** and **C++**.

- -

Research Intern
University of Valladolid - Grupo de Óptica Atmosférica (GOA-UVa)

📅 February 2021 - May 2021   📍 Valladolid

- Treatment of data from NASA's AERONET (AErosol RObotic NETwork) photometers.
- Reading binary data and creating MySQL queries using **C**.

EDUCATION

Master's Degree in Artificial Intelligence
Valencian International University (VIU)

📅 October 2022 – October 2023   📍 Valencia

- -

Bachelor's Degree in Computer Science and Engineering – Software Engineering (240 ECTS)
University of Valladolid – Escuela de Ingeniería Informática de Valladolid

📅 September 2017 – July 2021   📍 Valladolid

- GPA: 8.36/10
- Finished 7 subjects with Honours.
- Student representative and member of the Board of Studies for two academic years (2019/20 & 2020/21).

Technician of Professional Music Education – Instrument: Piano
Valladolid Conservatory (Conservatorio Profesional de Música de Valladolid)

📅 September 2011 – June 2018   📍 Valladolid

- GPA: 8.29/10
- Studied in the Conservatory while at high school, helping me improve my skills at self-organizing.

CERTIFICATES

First Certificate in English (FCE) - English B2

📅 2016

OTHER EXPERIENCE

Competitions

- Member of the team that achieved the **5th** position in the spanish ranking of the **Google Hashcode** 2021.
- Member of UVaCoders, competitive programming team at UVa.

Teaching and tutoring

- Mentor of first-year students at the 2018 and 2019 University of Valladolid Programming Gymkhanas.
- Taught workshops and courses like the Linux Console workshop 2019 or the introductory and intermediate C courses at Hour of Code 2020 at University of Valladolid.
- Member of the directive committee of the first regional olympiad in informatics, OICyL 2021, and collaborator in the second and third editions.

Projects

- javgat.github.io: Simple web page where all my projects are published, including multiple that are not in this list.
- I developed an Undergraduate Thesis Project with HP SCDS for HP's Observatory: DevTest, tool for programming knowledge evaluation. A fullstack web-application made with **Swagger**, **Golang**, **Angular** and **MariaDB**, following **SCRUM**. Ended up as a finalist for best Undergraduate Thesis Project with HP SCDS.
- jugger-torneo. A mobile app designed for the management of *jugger* tournaments, following the Swiss System. Made with **Angular** and **Ionic**, designed for **Android**.

ABOUT MYSELF

Fluent in English and Spanish.
In my free time, when I'm not coding, I make 8-bit tunes and play the piano.
I consider myself a good communicator, and I greatly enjoy speaking in front of a crowd.