

YACINE SOTEHI

IC DESIGN PHD STUDENT

ABOUT ME

With a background in electronic instrumentation and hands-on experience in IC design during my PhD—specifically using IIC-PDK open-source tools—I have successfully completed a tapeout using the IHP-SG13G2 130nm process technology. I am also the originator of the innovative DZRemoteTech project, focused on developing laboratory instruments compatible with Remote-Lab, and have additional experience in technical support and web development for laboratory and clinical management software. Passionate about technological innovation, I combine hardware and software expertise to advance integrated circuit design and instrumentation.

WORK EXPERIENCE

- APR 2024** **WEB DEVELOPER**
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MAY 2025 *BM Lab - Algiers, Algeria*
- AUG 2023** **TECHNICAL SUPPORT**
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APR 2024 *BM Lab - Algiers, Algeria*
- MAR 2023** **INTERNSHIP**
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APR 2023 *GICA Groupe - Constantine, Algeria*

SKILLS

- Server management
- HTML, JavaScript, python, CSS, dotnet, C/C++, assembly, spice
- Proteus, PSpice, MPLab, SIM8086, NGSPICE, XSCHEM, KLAYOUT
- **Languages:** French (B1), English (B2), Arabic (native)

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- 🏠 Constantine, ALGERIA
- 📅 AUG 2000

TECHNICAL SKILLS

- Analog IC Design using xschem
- IC Layout Design using klayout & magic
- Klayout PCells development and customization for IHP-SG13G2 PDK
- Proteus VSM SDK, SPICE models development
- Tapeout experience with IHP-SG13G2 130nm process technology
- Programming and software development for electronic instrumentation
- Extensive knowledge of electronics and instrumentation
- Proficiency in computer-aided design (CAD) tools for electronics
- Design and development of laboratory instruments for electronics practical work

EDUCATION

- PHD - IC DESIGN**
University of BLIDA 1 & CDTA
JANUARY 2025 - PRESENT
- MASTER'S DEGREE - INSTRUMENTATION**
University of CONSTANTINE 1
2022 - 2023
- BACHELOR'S DEGREE - ELECTRONICS**
University of CONSTANTINE 1
2020 - 2021

PROJECTS

- Development of laboratory instruments with a user-friendly online platform allowing students to perform practical work remotely
- Tapeout of a PT100 sensor readout SoC in IHP-SG13G2 130nm technology.