37170 Chambray-les-tours
0 à 1 an d'expérience
Réf : 251010135718

Optical simulation research engineer

Ma recherche

Je recherche tout type de contrat, sur toute la région Centre-Val de Loire, dans le Batiment.

Formations

09/2025 : Bac +5 à Télécom Paris, Polytechnic Institute of Paris
Master's Degree in Optical Networks and Photonic Systems Master's Thesis: Comparison of Optical Simulation Tools with Application to Metasurfaces.

06/2023 : Bac +5 à IGEE (ex INELEC)
Master's Degree in Telecommunications Master's Thesis: Design and Analysis of a Miniaturized Dual-Band Metamaterial-Inspired Antenna.

07/2021 : Bac +3 à IGEE (ex INELEC)
Bachelor of Science in Electrical and Electronic Engineering Bachelor's Thesis: Energy Generation from Train-Induced Wind.

06/2018 : à Said Kentour High School
High School Diploma in Mathematics and Process Engineering

Expériences professionnelles

03/2025 - 09/2025 :
Optical Simulation Research Engineer Intern chez Cea sur Grenoble
Comparison of optical simulation tools (FDTD and RCWA) applied to metasurfaces. Optimization of meta-atoms using methods such as Look-Up Tables and gradient descent. use of simulation software Lumerical and MEENT to model and analyze metasurface performance.

09/2019 - 12/2019 :
Intern - Electrical and Electronic Maintenance Technician chez Sonatrach

Langues

French (Oral : maternelle / Ecrit : expérimenté), English (Oral : courant / Ecrit : intermédiaire), Arabic (Oral : notions / Ecrit : débutant)

Permis

Permis B

Centres d'intérêts

Participation in an Arduino Bootcamp at IGEE (formerly INELEC)