Optical Simulation Research Engineer

37170 Chambray-les-Tours · 0 à 1 an d'expérience · Réf. 251010135718

Ma recherche

Contrat recherché : Tout contrat
Zone : Centre-Val de Loire
Mobilité : sur toute la région
Rémunération : a étudier
Secteur : Batiment

Formations

09/2025 — Bac +5 — 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 — 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 — IGEE (ex INELEC)

Bachelor of Science in Electrical and Electronic Engineering Bachelor’s Thesis: Energy Generation from Train-Induced Wind.

06/2018 — Said Kentour High School

High School Diploma in Mathematics and Process Engineering

Expériences professionnelles

03/2025 - 09/2025 — Optical Simulation Research Engineer Intern

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

Langues

French (maternelle), English (courant), Arabic (notions)

Atouts

Optical simulation tools (FDTD and RCWA), Simulation software (Lumerical and MEENT), Maintenance of electrical and electronic equipment, System administration (Linux, Windows), Scripting (Bash, Python, PyTorch), Technical troubleshooting, Microsoft Office, Python programming, MATLAB, Numerical simulation and modeling, Frequency analysis

Permis

Permis B

Loisirs

Participation in an Arduino Bootcamp at IGEE (formerly INELEC)

Fiche anonyme — l'identité et les coordonnées du candidat sont communiquées aux recruteurs qui en font la demande sur pmebtp.com.