Vacancy: HBO intern @Femto Engineering
Field: Finite Element Analysis/ Structural Engineering
Location: Delft

Do you want to gain valuable experience in finite element analysis for structural mechanics? Keep on reading!

ABOUT FEMTO ENGINEERING

Providing simulation solutions for engineering problems is what we do. Femto Engineering offers a complete solution for complex computer aided engineering (CAE) by way of consultancy, software, training, technical support and R&D. We employ specialists in the fields of structural, thermal and fluid analyses and we work with distinguished knowledge institutes like TNO, Marin, Erasmus University and TU Delft. We have an office in Delft and Münster (DE).

ABOUT THE POSITION

At Femto Engineering we work with a variety of FEA software to investigate the mechanical behavior of our client’s products. Basically, every FEA software is composed of three parts: the pre- and postprocessor and the solver. With the pre-processor you create the FE model and define the analysis parameters. The solver processes your model with special algorithms, providing you the analysis results. The postprocessor visually displays the analysis data with contours, graphs, tables, etc. There are many solvers available, so how do engineering companies decide on which solver to use? It can depend on:

- the purpose of the solver
- options, robustness and reliability
- industry adaptation
- integration with other programs
- level of documentation detail
- learning curve
- budget/ number of users

Your job will be to set up a small technical study to investigate the applicability of the various non-linear solvers Femto Engineering currently has in operation.

On a day-to-day basis you can expect to work on:

- basic FE modeling & analysis
- interpreting results and understanding structural parameters
- cooperate with fellow engineers
We are an experienced and welcoming team; you’ll feel right at home! We pay 75,- euro per week for expenses, every day you get a fresh, free lunch and we regularly organize fun get-togethers.

YOUR PROFILE
We are looking for a HBO intern who studies mechanical engineering, aerospace engineering or has another relevant technical background and who:
  • is responsible and can work independently
  • can work in a team
  • is available 32 – 40 hours a week for at least a three month minimum period
  • is fluent in Dutch and English
  • has demonstrated FEA experience and knowledge
  • is looking for a practical internship, not a graduation track.
  • is an all-round nice person

INTERESTED?
You can send your application to Emily Oud (info@femto.nl). Don’t hesitate to contact us if you require any further information.

Thank you for your attention!