

Guidance, Control & Navigation Engineer

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Company: MarkJames Search

Location: United Kingdom

Category: architecture-and-engineering

Job description

Our client, a leader in security and surveillance systems, are currently hiring for a **Guidance, Control & Navigation Engineer** to join their team in developing cutting-edge autonomous systems technology with a focus on Unmanned Air Vehicles.

Responsibilities

Work in a multi-disciplinary team and be responsible for designing, testing, and implementing guidance, navigation, and control in our product line.

Design and develop guidance, navigation, and control algorithms for drone systems

Conduct simulation and testing of GCN systems

Collaborate within a team and with external partners to integrate GCN systems into drone hardware

Troubleshoot and resolve technical issues related to GCN systems

Stay up-to-date with current technology trends and advancements in the field of guidance, navigation, and control

Requirements

Bachelor's or Master's degree with strong mathematical content e.g. Aerospace Engineering, Control Engineering, Mechanical Engineering, Maths, Physics

Strong knowledge of guidance, navigation, and control theory and its practical application

Experience in developing and testing GCN algorithms for autonomous systems, preferably UAVs or missiles

Able to act as subject matter expert on GCN within the business

Proficient in MATLAB, Simulink, Python, C/C++

Experience of image processing beneficial

Experience of UAS Autopilots (e.g. PX4) beneficial

Excellent problem-solving and analytical skills

Strong communication and interpersonal skills

Contract Details:

Contract Type: Contractor (Outside IR35)

Location: UK - 100% remote

Duration: 6 months - likely to extend to 12 months and longer.

Day Rate: £500-700 per day

Hours - 40 hours per week, Monday-Friday

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