

## AI Designer

### Job Profile:

*As an AI Designer, you will be responsible for applying existing and new AI methodologies to real-world robotic applications. This will include implementing state-of-the-art deep or machine learning methods, developing datasets, and integrating trained networks with a robotic system.*

*Your work will be a part of an integrated robot system capable of handling a wide variety of practical, real-world problems with full autonomy. You will work with a team of other developers working to integrate multiple levels of software together.*

### Scope of Responsibilities:

- *Review potential AI methods from literature for application in specific autonomy problems*
- *Implement open-source libraries and deep learning networks*
- *Work with a team to develop pre-processing, data collection and integration software for embedded AI*
- *Develop creative solutions to practical robot problems that leverage embedded AI*

*Day to Day activities will include:*

- *Individual software development and problem-solving*
- *Regular progress meetings and discussions with the team*
- *Delivering reports on current status and any problems encountered*
- *Bringing to life a unique and fully-autonomous robot system*

### Accountabilities of the Position:

- *Delivery of datasets for a variety of deep learning applications*
- *Delivery of state-of-the-art, optimized neural networks*
- *Integration of AI with other automation software*
- *Integration of AI onto the embedded system of a physical robot*

### Qualification & Skill:

- *At least a Graduate-Level Degree in Engineering or Computer Science*
- *5+ Years of experience with AI development*
- *Experience with embedding neural networks and machine learning on edge devices*
- *Knowledge and prior application of neural network design, point cloud data and object pose estimation*
- *Strong programming skills in C++, C, and Python. Familiarity with AI frameworks including Scikit-Learn, Tensorflow and Keras*



## ANVIV Mechatronics Inc.

- *The ability to clearly communicate concepts and problems encountered in your work*
- *An interest and motivation in overcoming unique problems and challenges*

### **Company Profile:**

ANVIV Mechatronics Inc. is developing AI-Embedded Robotic Products. As a ANVIV team member you will be working with curious and inquisitive people to develop AI systems for practical robot applications. You will work on designing, developing, training and deploying a variety of AI solutions onto a mobile robot and arm systems. Utilizing your technical skills as a member of this start up company, your work will have an emphasis on robustness and real-world application. If you are interested in joining us, please submit your resume to: [John Wang \(john@anviv.com\)](mailto:John.Wang@anviv.com).

ANVIV Mechatronics Inc. welcomes all qualified candidates.