

Bachelor Project & Thesis

Machine Learning for computer vision



WHAT DOES 8TREE DO?

8tree develops, produces and sells 3D scanners. Our most successful product is dentCHECK: a handheld system used to measure damage on aircraft. Our customers are airlines and maintenance companies at airports all over the world. We are a German-American startup with sister company in California.

We are seeking a driven and innovative student to join our team and take on the challenge of training a neural network for the classification of fastener heads. The successful candidate will be responsible for applying their skills in data analysis to create a neural network which robustly classifies the given images.

RESPONSIBILITIES

- ✓ Cleaning and preparing our existing training and test data.
- ✓ Training neural networks on diverse applications areas to prevent outliers.
- ✓ Integrating the completed solution into our software.
- ✓ Presenting findings to the wider development team.

RELEVANT SKILLS

- ✓ Enrolled in a degree in Computer Science or a related field.
- ✓ Experience with machine learning is essential.
- ✓ Proficient in C++ or another object-oriented programming language.
- ✓ Basic understanding of computer vision / image processing will be useful.
- ✓ Strong analytical and problem-solving skills.
- ✓ Capable of working independently.

BENEFITS

- ✓ Competitive compensation from €700 to €1000 per month depending on prior experience.
- ✓ Flexible work hours that accommodate your schedule.
- ✓ Opportunities for professional development through workshops and training sessions.
- ✓ A supportive and collaborative work environment that lets you play to your strengths.
- ✓ Possibility of a working student position during your master.

This is an exciting opportunity for a motivated individual to gain hands-on experience in machine learning and image processing while contributing to a project that has practical applications. We offer a flexible and collaborative work environment, competitive compensation, and the opportunity to work alongside experienced engineers.

If you are a self-starter with a passion for developing practical solutions and are enthusiastic about applying machine learning to cutting edge industrial tools, we encourage you to apply for this position.

CURIOUS?

Then we look forward to receiving your resume with a short cover letter to **Erik Klaas**. If you have any questions about the position, whether in terms of content or organization, please feel free to contact us at any time.

Send application to: jobs@8-tree.com | +49 7531 / 891 4990

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