

# CLAUDIU CREANGA

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## PROFESSIONAL PROFILE:

A resourceful, dedicated and experienced (over 10 years) Software Engineer Manager who specialises in machine learning techniques to deliver solutions that fully meet business requirements. Demonstrates the high level of motivation required to meet the tightest of deadlines in a competitive field. Innovative and collaborative, possesses the skills to develop and deploy machine learning models and lead teams to deliver impactful projects.

## KEY SKILLS:

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PyTorch, Tensorflow, OpenCV, Fastapi, GCP, AWS, Python, Docker, Kubernetes, Javascript, ReactJS, Django, CSS, SQL, Snowflake, Tableau, Grafana, Mentoring, ML Research, NLP

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## WORK EXPERIENCE:

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### SENIOR SOFTWARE ENGINEER and MANAGER - Illumina, UK (01/2018 - 07/2024)

**Managing** the production team (3 software engineers) in the R&D department. Setting team goals, providing direction and ensuring the team meets deadlines and quality standards. Guiding and mentoring junior team members.

Key Achievements:

- Headed up the development of new products through the application of **machine learning** research in genomics, discovering patterns that distinguish between true and artefact variants in FFPE samples.
- Wrote a pipeline with **snowflake**, python and ReactJS to create monitoring dashboards.
- **Identified opportunities** to streamline the bioinformatics team's workflow through the application of machine learning.
- Implemented rigorous **code quality standards** to ensure the reliability and maintainability of software (TDD and SOLID).

### UNIVERSITY PROFESSOR in AI – University of Bucharest, Romania, (10/2023 – current)

- Developed and delivered engaging introductory **AI courses** to students.
- Successfully mentored students in their academic pursuits, providing guidance on research projects and career development.
- Utilised innovative teaching methods, including hands-on projects and **real-world case studies**, to enhance student learning and understanding.

### SENIOR SOFTWARE ENGINEER - Limesharp, London, UK (07/2014 - 12/2017)

Developed new features for complex ecommerce systems. Guided the team and reviewed code. Handled the entire software development lifecycle, end-to-end.

Key Achievements:

- Delivered multiple complex integrations (using REST, AWS, docker and other tools) within schedule and budget.
- Enhanced team productivity and product quality by implementing strategic changes.
- Encouraged a culture of continuous learning and improvement within the team.

#### **FRONTEND DEVELOPER**, Advanced We Are, Milan, Italy (May 2012 - July 2014)

- Developed visually appealing and user-friendly websites for a range of e-commerce clients, utilising cutting-edge technologies and design principles.
- Proficient in HTML, CSS, JavaScript, and popular frontend frameworks.

#### **EDUCATION:**

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**PhD** in Artificial Intelligence (in progress) - Faculty of Mathematics and Informatics, University of Bucharest, 10/2023 – 06/2026

**Master's degree** in Artificial Intelligence – NLP, Faculty of Mathematics and Informatics, University of Bucharest, 10/2021 – 06/2023.

- Graduated top of class.

**Bachelor's degree** in Philosophy, University of Bucharest, 2009 - 2012

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#### **PUBLISHED RESEARCH IN AI:**

- Automated Text Identification Using CNN and Training Dynamics, Iberian Languages Evaluation Forum 2023 3496 (1613-0073), 1-4
  - Transformer based neural networks for emotion recognition in conversations, Claudiu Creanga, Liviu P. Dinu, SemEval
  - Designing NLP Systems That Adapt to Diverse Worldviews, Claudiu Creanga, Liviu P Dinu, <https://aclanthology.org/2024.nlperspectives-1.10>
  - Tailored Prompting with Solar for Clinical NLI, Marius Micluta-Campeanu, Claudiu Creanga, Ana-Maria Bucur, Proceedings of the 18th International Workshop on Semantic Evaluation
  - Transformer and Hybrid Deep Learning Based Models for Machine-Generated Text Detection, Claudiu Creanga and Teodor-George Marchitan, SemEval
  - Fine-Tuning Models for Biomedical Relation Extraction, PROCS48529, Procedia Computer Science, Claudiu Creanga, Liviu Dinu
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#### **Additional Information:**

- **Founded and successfully led** an NGO and a startup, securing funding for two large EU-funded projects under the Youth in Action program.
- Member of the NLP group Human Language Technologies Research Center.
- Graduated the ELEVATE Leadership course.
- Certificate of Competence in Entrepreneurship.
- Various other certificates (AdWords, AWS, Magento).
- English C1, Spanish B1, French B1, Romanian native.

Scholar: <https://scholar.google.com/citations?user=bksnABgAAAAJ>  
Personal website: <http://claudiucreanga.github.io>  
Github: <https://github.com/ClaudiuCreanga>  
Kaggle: <https://www.kaggle.com/claudiucreanga>