CLEMENT JAMBOU

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Summary

Technical leader and entrepreneur with 10+ years experience in Robotics, Autonomous Systems, Data Science, Software Engineering, and Space Avionics. Proven track record of building and leading high-performing engineering teams across multiple countries, including founding and working at startups. Expertise in building and delivering products in self-driving systems, avionics software, and scalable testing and simulation frameworks

Career Highlights

- Designed autonomous robots (software and hardware) from drawing board to deployments of up to 30 units in warehouses
- Led multiple engineering teams in Data Science, Software Engineering, Hardware Engineering across multiple industries(Tech, Robotics, Space) and countries (US, France, Switzerland, China)
- Grew Lyft data science team from 4 to 20+ while delivering critical marketplace algorithms

Selected Experience

CADBuildr   Aug 2024 – Present
CEO & Founder – San Francisco, CA

- Founded CADBuildr to revolutionize CAD software with open-source and AI technologies
- Developed and launched the first AI Agent for CAD, enabling natural language and multimodal interactions for 3D model generation
- Built an open-source Python CAD library enabling programmatic 3D modeling with version control
- Created a web-based CAD platform supporting text-to-CAD, image-to-CAD, and interactive model refinement

Exotrail   Nov 2023 – Aug 2024
Software & Avionics Manager – Paris, France

- Managed Avionics team developing embedded software for Spacevan autonomous satellite delivery vehicle
- Led 5-person avionics team to release bi-monthly software updates
- Implemented a complete Telecomand/Telemetry system facilitating collaboration work on the Spacevan vehicle
- Implemented quality guidelines for the avionics team software and validation via a CI/CD system

Coactum   Oct 2022 – Nov 2023
Software & Avionics Manager – Bex, Switzerland

- Executive Committee Member leading software/avionics development for early-stage vehicle systems
- Defined early-stage requirements and specifications for onboard software, firmware, and custom avionics
- Proposed and implemented technical interfaces format and process for vehicle engineering teams
- Developed hiring process for software engineering team

Mont Blanc Rockets   Jan 2021 – Present
Data Science & Software Engineering Consultant – Freelance

- Provided technical leadership and consulting services to companies across software, data science, and hardware engineering
- Helped companies scale their engineering teams and improve technical processes
- Delivered critical technical products in robotics, autonomous systems, and data science

Unsupervised.ai   2016 – 2020
CEO – San Francisco, Shenzhen and Paris

- Co-founded robotics software company enabling factory digital transformation
- Led 8-person team across 3 continents

- Built from drawing board to production an autonomous robot fleet with 30-unit batch
- Generated $400k+ of revenue and raised $1M in funding

Lyft   2014 – 2016
Senior Data Scientist – San Francisco
- Led marketplace growth initiatives, mapping and self-driving development
- Grew data science team from 4 to 20+ members
- Built first simulation environment for entire cities improving business metrics

Education

Imperial College London, MSc in Advanced Computing   2013 – 2014
Institut Superieur de l'Aeronautique et de l'Espace, Supaero Graduate Program 2011 – 2014
- BS in 2012
- Major in Computer Science

Skills

Languages: Python (Pandas, Numpy, Tensorflow, PyTorch), C/C++, JavaScript (React, NextJS), TypeScript
Tools: Git, GitHub, AWS (S3, DynamoDB), PostgreSQL, GraphQL, GCloud
Languages: French (native), English (bilingual, TOEFL-IBT: 105/120), German (intermediate)

Awards & Honors

Speaker at PyData Paris   2015
1st Prize, ASME Student Design Competition   2012
Junior Fermat Prize in Mathematics   2010
1st Prize, International Tournament of Young Mathematicians   2010
2nd Prize, Academy of Versailles Mathematics Olympiads   2008

Interests

- **Sports:** Running (Marathon: 2h33, UTMB Finisher), Soccer, Mountaineering (Denali summiter)
- **Hobbies:** Robotics, Electronics, Cooking, Traveling
- **Music:** Cello, Guitar