

MAXIMILLIAN DEAN

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PROFESSIONAL SUMMARY

Analytical engineering graduate transitioning into investment work. UC Berkeley MEng with hands-on venture capital diligence: currently drafting a full investment committee memo on SKL Robotics Ltd. (UK humanoid robotics) covering valuation, capital structure, competitive landscape, and commercial model. CFA Level I candidate (August 2026). Strong quantitative foundation from cross-disciplinary engineering, paired with data operations experience at a London startup. Native English and German speaker with a direct interest in portfolio valuations and deep tech investing.

EDUCATION

CFA Institute

CFA Level I Candidate

Exam: August 2026

University of California, Berkeley

Master of Engineering, Bioengineering (Orthopedics, Medical Device Design, Neuroscience)

Aug 2024 - May 2025

University of Exeter

Bachelor of Engineering, Electronic Engineering

Sep 2021 - Jul 2024

University College London

Certificate in Anatomy and Nanotechnology in Medicine

Jun 2023 - Aug 2023

CORE SKILLS

- Finance and Investment: CFA Level I candidate, VC due diligence, investment committee memo drafting (valuation, capital structure, competitive landscape), financial analysis fundamentals
- Excel and Data: Excel (pivots, lookups), data structuring and validation, reporting workflows, automation
- Programming: Python, MATLAB, Java, C, C++, Linux, Assembly
- Design and Simulation: SolidWorks Associate, COMSOL Multiphysics, Simulink, NI Multisim
- Languages: English (Native), German (Native)

PROFESSIONAL EXPERIENCE

CreativesApp, London (Hybrid)

AI Integration and Data Operations Associate

Aug 2025 - Present

- Executed data migration and automation projects, integrating AI tools to improve accuracy, reduce manual workload, and strengthen data interoperability across systems
- Designed and deployed automation workflows that streamlined operations and strengthened data reliability and scalability
- Drove AI-enabled initiatives that optimised internal processes and delivered measurable performance improvements across business functions

Lobster Data, Tutzing, Germany

Software Engineering Intern

Aug 2022 - Sep 2022

- Developed AI-based solutions to identify inefficiencies in resource allocation and automate key database monitoring tasks
- Built alert systems that detected operational bottlenecks in real time, reducing downtime and improving team response
- Produced technical documentation to standardise maintenance, accelerate onboarding, and support iterative software updates

BMW Group, Munich, Germany

Electronic Engineer

Mar 2021 - Jul 2021

- Supported validation and performance testing of electric steering systems through data analysis and system diagnostics
- Collaborated across engineering, design, and Quality Assurance teams to ensure compliance with safety, cost, and reliability standards
- Applied data-driven insights to propose design optimisations, improving system efficiency and component reliability

Lufthansa Technik, Hamburg, Germany

Jun 2018 - Jul 2018

Mechanical Engineering Intern

- Performed diagnostic and overhaul operations on commercial aircraft turbines under strict aviation safety standards
- Conducted precision testing and analytical reviews to verify turbine performance and reduce maintenance turnaround time
- Supported process optimisation initiatives within regulated, high-cost engineering workflows

SELECTED PROJECTS

SKL Robotics Ltd. (Humanoid) - Independent VC Due Diligence

2026

- Drafting a full investment committee memo covering valuation, capital structure, leadership diligence, competitive landscape, and commercial model (Robotics-as-a-Service economics, battery runtime, reliability benchmarks)
- Mapped UK and global humanoid robotics peers to frame competitive positioning and early-stage valuation context
- Assessed NDAA exposure, regulatory considerations, and hardware-specific risk factors relevant to deep tech underwriting

UC Berkeley Capstone - 3D Tissue Printer

Aug 2024 - May 2025

- Led a cross-functional team in the design and optimisation of a high-precision biofabrication system from concept to prototype
- Integrated FPGA-based control systems to improve print accuracy, reliability, and throughput
- Improved mechanical and optical subsystems to raise precision and reduce material waste

KnitRegen x Exeter - Stroke Rehab Actuator Thesis

Sep 2023 - May 2024

- Designed and evaluated linear actuator systems for wearable rehabilitation devices targeting motor recovery in stroke patients
- Used COMSOL Multiphysics to optimise energy efficiency, output force, and scalability of actuator prototypes
- Assessed feasibility, usability, and manufacturing cost trade-offs to inform clinically viable implementation