KEVIN GRAMAGE

Searching for a position in Biomechanics

At the moment: MSc. Thesis at Institut de Myologie: "The use of lower limb exoskeleton in patients with myopathies"

🎓 EDUCATION

Currently
(Exp.
SEP '20)

Master of Sport & Exercise Sciences
Technical University of Munich   📍 Munich, Germany

Focus in Biomechanics & Exercise biology. - Thesis: "The use of lower limb exoskeleton in patients with myopathies"

2017

Bachelor of Sport Sciences
Universidad Politécnica de Madrid   📍 Madrid, Spain

- Thesis: "Perfil Antropométrico Y Fisiológico Del Jugador De Fútbol Americano" *Excellent with distinction* grade

🖥 RESEARCH EXPERIENCE

JUN 19
|
Currently

Internship -> MSc. Thesis
Institut de Myologie, Pitié-Salpêtrière Hospital   📍 Paris, France
- Evaluate the safety, usability, and acute efficiency of a powered knee-hip dermoskeleton in patients with neuromuscular disorders.
- Elaborate recommendations regarding usability criteria for safe and efficient use the device in patients with neuromuscular disorders (e.g. type and severity of patient's functional deficits).
- Generate necessary data to foresee a future study involving a home use of the device and assessment of long-term benefits.

2018
|
2019

Student Assistant
Actibelt®, Trium Analysis Online GmbH   📍 Munich, Germany
- Gait analysis of patients with reduced mobility participating in clinical trials and produce clinical research studies.
- Video & accelerometer data processing using R statistical software.
- Synchronize actibelt® and video data using in-house annotation software.
- Assist on data collection during the trials performed with the actibelt®.

👥 RELEVANT COURSE PROJECTS

Eccentric Maximum Voluntary Contractions
Muscle function and human movement | Individual project
- Intra-session and Inter-day comparision of EMVC
- Use of Isomed® dynamometer, Myon320 mobile® EMG & prophysics proEMG®
- Poster DOI: 10.13140/RG.2.2.11515.46887

CONTACT INFO

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in linkedin.com/in/kevingm

📞 +49 177 4704083

SKILLS

Languages

Native / Fluent:
- Spanish, Catalan
- English (TOEFL 105)

Towards fluency:
- German, French

Data Analysis & Programming

Ⓡ R | RStudio
🐙 GitHub Check this CV's code!

*This resume was made with the R package **pagedown**.*

Personalised approach to exercise, diet & medical treatment
Exercise biology specialization | Group project
• Pre-post analysis and comparison of an 8-week exercise intervention.
• Personalized approach to exercise, diet and medical treatment.
• Gene expr., Body composition, Lactate, Wingate, VO2max, Ergometer

Biomechanical methods and application
Group projects
• "Anthropometric analysis & somatotype classification of a subject"
• "2D kinematic analysis of lower extremity joints during the run"
• "Effects of Post-Activation Potentiation (PAP) & fatigue on CMJ"
• "Neuromechanical adaptation induced by elastic surface jumping"

SPORT EXPERIENCE

2013
|
2015

Student Athlete
Pumas UNAM   Mexico City, Mexico
• Played as RB & WR at the 1st Div. & won 2 Natl. Championships.

Dec 2014
– Jun
2016

S&C Intern -> Coordinator of Youth Teams
Barbera Rookies   Barcelona area, Spain
As intern:
- Off. Coordinator and Strength & Conditioning coach of 1st Team.
Conduct training sessions, practice design, game day play-caller
- Head Coach of U17 Team. Fundamentals training, game day planing,
meeting with parents, players recruiting
As Coordinator of Youth Teams:
- Responsible for coordination of 3 Sections, 6 Teams, 13 Coaches y +60
Players.

Got promoted after doing an Internship as a Coach

REFERENCES

Florian Paternoster, PhD
                                                                    Munich, GERMANY
• Assist. Researcher - Biomechanics Department, TUM
  florian.paternoster@tum.de

Damien Bachasson, PhD, PT
                                                                    Paris, FRANCE
• Research Scientist - Neuromuscular Physiology Laboratory, INSTITUT
  DE MYOLOGIE
  d.bachasson@institut-myologie.org

Prof. Martin Daumer, PhD
                                                                    Munich, GERMANY
• Honorary Professor - TUM
• CEO - Trium Analysis Online GmbH
• Director/Ex. Board - Sylvia Lawry Centre for Multiple Sclerosis
  Research, The Human Motion Institute
  daumer@slcmsr.org

Human Movement Tools

Motion capture
- Vicon
- Contemplas

IMUs
- APDM | Opal
- Actibelt

Dynamometers
- IsoMed
- Biodex

Force Plates
- AMTI - Kistler

Signal analysis
- LabChart
- proEMG

Last updated on 2020-04-30.