Emile Courthoud

Curriculum Vitae

Munich, Germany
(+49) 1756893763
ecourthoud@gmail.com
emilecourthoud.github.io
06.10.1994, Aosta, Italy

Work Experiences and Projects

Feb 2020 – ongoing
Management Consultant, SpaceTec Partners, Munich
SpaceTec Partners is a consulting boutique led by former Booz&Co directors (now PwC Strategy&) with main focus on space. It provides management consulting services, market development and innovation consulting.
- Led business strategy tasks for European Commission , UK Space Agency, GSA and private clients
- Developed comprehensive market analyses, cost models, development plans, benchmarking analyses
- Independently composed a winning proposal for a $50k contract. Contributed to $0.1-3 million bids
- Became the main contact of one of the SpaceTec Partners' four partners for operational tasks
- Directed peer consultants and junior staff in projects. Led tasks involving 2-5 people from other firms
- Interviewed stakeholders from space firms, including C-level directors, to gather market insights

June 2018 – Jan 2019
Development Engineer, internship, HQ of Nobel Biocare, Zürich
Nobel Biocare is a leading manufacturer of high-end implant-based dental restorations.
- Independently coordinated product lifecycle projects, ensuring compliance with cross-departmental requirements
- Identified bottlenecks in the company processes and developed shortcuts and countermeasures
- Led the onboarding for new hires and created a dossier to support their integration

2015 – ongoing
Private Tutor
- Mentor of High School students at Orientami
- Teaching physics, calculus, and statistics to High School and university students
- Assisted 15+ university colleagues with their university exams and tutored peers through the interview process

Projects

Jan 2021
Talk @ Huawei, Munich. Gave the presentation "The Complex Art of Innovation" to young entrepreneurs and senior management at Huawei's Innovation Management workshop.

2019
Consulting workshops and case interviews
- Participated in various consulting workshops, including the weekly sessions of the Graduate Consulting Club (GCC) at ETH Zürich, the Bain Consulting Challenge by Bain & Company, Turin, the Pub Quiz Challenge by Deloitte, Zürich, and How to tell a convincing story by Boston Consulting Group (BCG), Zürich
- Conducted two-side case interviews with more than 30 candidates on PrepLounge and 10+ in person

2015 – 2016
Summer school, European Innovation Academy (EIA), Turin, summer 2016. Three-week accelerator for tech entrepreneurs. Following all milestones towards the formation of a start-up, from the idea to the pitch for investors.
Summer school, Alfaclass, organized by CRT Foundation, Turin, summer 2015. Summer school of Mathematics for merit-based selected students. Workshops, seminars and logic quizzes and math competitions.

Higher Education

2017 – 2019
ETH – Swiss Federal Institute of Technology, Zürich
Master of Science in Mechanical Engineering. GPA 5.5/6. Tutors: E Mazza, DM Kochmann
- Contribution to research in the field of computational modelling and biomechanical systems
- Complemented my engineering background with accounting and management classes
- Refined my problem solving, time management, communication and adaptability skills

2014 – 2017
Polytechnic University, Turin.
Bachelor of Science in Mechanical Engineering. Final Grade: 110/110 cum Laude, GPA 29.6/30

2015 – 2017
Scholarship Young Talent Project, Turin, Polytechnic University. Three-year program for the best 5% achieving students. Financial grant along with summer and winter schools, conferences, seminars and extracurricular courses.

Languages & Computer Skills

Italian	Mother tongue	French	B1/B2, bilingual High School
English	C1, daily use	German	B1, attended university language courses

Computer Skills

Text Processing	Microsoft Office (Word, Excel, PowerPoint), Google Suite, Latex – proficient level
Data analysis & database, data visualization, dashboards	Python/Pandas/Numpy, Matlab – proficient level. SQL, C++, Java, Mathematica, Js – Used at times Tableau, Excel, Google Sheets – proficient level

Interests

Development of logical schemes, primarily through programming. Coded math and board games, an accounting management system that monitors the finances of several real estate properties, an App for learning German, a personal website, and much more.
Keen interest in tutoring, mentoring, teaching. Tutored friends and colleagues since the first year of High School.
Hiking in the high mountains, snowboarding, cycling, running, travelling to discover new cultures.