Cédric Membrez | MSc Student in Computer Science

Swiss | currently in Fribourg, Switzerland | 1987
+41 79 269 17 10 | cedric.membrez@gmail.com
Linkedin | GitHub | Portfolio

- Mixed reality engineer (C$\sharp$)
- Experience in UI/UX & 2D/3D graphics
- Composed, curious, visionary

PROJECTS

08.2022 - Present	**Augmented Reality** *MSc Thesis, University of Fribourg* • Researching key features & accessible design to gamify low vision rehabilitation • Interviewing specialists from the Swiss federation for people with visual impairments • Implementing a serious game escape room using Unity/C$\sharp$ on Microsoft Hololens 2 • **Skills**: Unity/C$\sharp$ (MRTK), Git; UI/UX, communication, research, analytical skills, eager to learn, open-minded, empathy, user-centered
10.2022 - 01.2023	**Embedded Software - Robotic** *Team project (Git repo) - University of Fribourg* • Programmed on Espressif, Arduino, Raspberry microcontrollers in C/C++, Python • Communicated between boards using MQTT, WebSocket, and UART protocols • Integrated pre-build machine learning models for face recognition • **Skills**: C/C++, Python (OpenCV), Git, Shell; teamwork, autodidact, problem solving, solution oriented, prototyping
02.2021 - 09.2021	**Virtual Reality** *University of Fribourg* • Developed an adventure video game with Unity/C$\sharp$ on Oculus Quest 2 • Presented my project at the annual university open-days • **Skills**: Unity/C$\sharp$, Blender, Git; autonomous, creativity, passionate about technology, design thinking

EXPERIENCE

02.2018 - 04.2020	**Portfolio Manager** *MFM Mirante Fund Management, Switzerland* • Managed two global convertible bonds funds & presented the funds across Europe • Defined strategy & decided for optimal allocation & investments for given regions • Produced & organized calls for tenders & requests of clients • **Skills**: result-driven, proactive, take responsibility, interpersonal skills, resilient
02.2014 - 01.2018	**Quantitative Analyst** *MFM Mirante Fund Management, Switzerland* • Produced risk reports & performance attribution analyzes (VBA, R/ggplot, LaTeX) • Analyzed investment opportunities (Bloomberg, VBA, R, Java, SQL) • Developed risk management tools to improve department efficiency (VBA) • **Skills**: attention to detail, fast learner, entrepreneurial, resilient, adaptive, reliability

EDUCATION

09.2020 - Present	**MSc Computer Science** *University of Fribourg, Switzerland* • Pre-MSc: data structures, databases, algorithms, software engineering, operating systems, concurrent & distributed systems • MSc, specializing in advanced information processing: user centered design, affective computing, game development, machine learning, deep learning, big data infrastructures, cloud computing
11.2021	**CFA - passed all three exams** *CFA Institute*
09.2011 - 01.2014	**MSc Quantitative Finance** *WU Vienna University of Economics & Business, Austria*
09.2007 - 09.2011	**BSc Economics** *HEC Lausanne, Switzerland* • Final year exchange at Aalto University School of Economics, Helsinki, Finland

SKILLS

Languages	French: native	English: fluent/C1	German: intermediate/B2
IT	Blender, C/C++, Git, Java, LaTeX, Python, SQL, Unity/C$\sharp$, Unix Shell

ACTIVITIES

02.2016 - Present	**Piano** *Classical music*
09.2012 - 09.2013	**WU Qfin Club** *Cofounder, Austria*
09.2009 - 09.2010	**HEC Espace Entreprise Association** *Head of Internships Division, Switzerland*
08.2008 - 11.2014	**Marathons** *Athens 2014, Vienna 2013, London 2010 & San Francisco 2008*