Arnaud Minondo

WebSite : https://arnaudmi.github.io/ Email : arnaud_minondo@berkeley.edu
Current Location US, Mobile : +1-925-744-9364 LinkedIn : www.linkedin.com/in/arnaud-minondo/

Experience

- **Nutrixeal** Meylan, France
  Supply Chain Advisor *July 2021 - Sep 2021*
  - **Excel**: I was modeling the production with probabilities in order to optimize production speed with respect to maintainance time so as to increase production. It resulted in an increase of sales of 20%. I used models such as Continuous Time Markov Chains and other stochastic processes using past data of the company to determine a production model.
- **ES Manival** Saint-Ismier, France
  Soccer Educator *July 2018 - Aug 2018*
  - **Teaching**: This experience allowed me to measure my strong taste for teaching and to increase my pedagogical skills, my empathy and my patience.
  - **Self Development**: Played 10 years in this club. It taught me Team Spirit, Leadership, Respect and Commitment. We won several regional leagues allowing the club to gain a division in several age categories.
- **Self** Saint-Ismier, France
  Part-Time Private Teacher *July 2021 - Now*
  - **Teaching**: I have learned to teach high level scientific knowledge effectively by adapting my teaching to the level and needs of each of my students. This allowed them to increase their average grades by 5 points.

Education

- **University of California, Berkeley** Berkeley, CA
  Master of Analytics; GPA: 4.00 *Aug. 2022 – May. 2023*
  - **AMPL**: Optimization software.
  - **Python**: Data visualization, Data modeling, Stochastic Simulations, Machine Learning Techniques using sklearn, TensorFlow and PyTorch
  - **SQL**: Database Theory, Database Development, Database Creation
- **Télécom Paris - EURECOM** Paris, France
  Bachelor of Science in Engineering; GPA: 4.00 (16,7/20.0) *Aug. 2020 – July. 2023*
  - **Math**: Lebesgue Theory, Kolmogohorov Probability, Set Theory, Topology of Complete spaces, Linear Algebra, Information Theory.
  - **Physics**: Physics of Waves, Optical, Statistical and Electrical Physics, Semi-Conductor Theory.
  - **Informatics**: Graph theory, Data Structures, Language Theory, Turing Decidability Theory.
  - **C**: Algorithmic, Understanding architecture of Computer, development with Linux and the shell.
  - **Java**: Object Oriented programming, Game development of a Maze with solver implemented
- **Prep School PCSI-PSI, Lycée Champollion** Grenoble, France
  Preparation for entrance competitive exams to french engineering schools *Sep 2018 - Aug 2020*
  - **Math**: Analysis - Riemann Integration - Taylor Series - Differential Equations, Linear Algebra, Probability, Topology in Compact Spaces
  - **Physics**: Propagation theory, Waves, Optical, Electrostatic, Electrical circuits, Mechanical Physics.
  - **Mechanical Engineering**: Mechanics of undeformable solids, Gears Theory, Motors theory, Static Analysis, Dynamic Analysis

Personal Projects

- **Chess AI**: I developed my own chess board interface. I also developed an AI that plays against you using this interface. This AI plays at a rating of 1000 ELO FIDE. I wanted an unconventional approach to chess AIs.
- **Eye-Tracking**: I used PyTorch in order to classify images of people in front of their computer to determine which part of the screen they were looking at.
- **2D Puzzle Game**: It is a cooperation game made for disable people that cannot use standard controllers. The idea is you can play the game only using your eyes. It is played by two players simultaneously cooperating to solve enigmas.

Programming Skills

- **Languages**: Python, Javascript, Java, C, SQL, R, Excel **Technologies**: AWS, Google Cloud