Yu Cheng

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Other contacts: in   👤   ⓞ

PROFESSIONAL SUMMARY

IT professional with 2+ years experience in developing software and webs, with expertise in algorithms and data structures. I consider myself highly motivated, proactive, and able to solve any problem independently. Currently, I am looking for new challenges in the area of Distributed systems or data science/machine learning.

EDUCATION

- **M.Sc.** in Computer Science and Information Engineering, Sept 2019 - July 2022,
  University of Lisbon, Lisbon, Portugal.
  Thesis - Attractor reachability estimation in logical models (18/20). Supervisor - Dr. Pedro Monteiro.

- **B.Sc.** in Computer Science and Information Engineering, Sept 2016 - July 2019,
  University of Lisbon, Lisbon, Portugal.

WORK EXPERIENCE

- **Software developer** in   **Devoteam**   Jan 2022 - present.
  Project in the financial sector dedicated to asset management, insurance companies, banks, brokers, and others. Main responsibilities:

  1. Maintained 2 applications: an online system that handles clearing and settlements of securities trade for shares, and an application that serves as a portal to exchange business information from and to banks.
  2. Updated the Application Information Document of the corresponding application.

- **Software Engineering intern** in   **INESC-ID**   Sept 2020 - Nov 2021.
  Main responsibilities:

  1. Designed, refactored and implemented dedicated algorithms (as well as automated tests to ensure their correctness and to assess their performance).
  2. Integrated implemented algorithms into the existing JAVA library (bioLQM).
  3. Integrated the library in other application by implementing interfaces in the docker environment.

SOFTWARE PROJECTS

Some of relevant projects in which I participated over the years. explore more in my personal website:

- Natural Language Processing: the topic that we addressed is question classification.
- 3D programming; we developed a Monte Carlo Ray Tracer and a game made with Unity 3D.
- Network Science: we developed a library to analyze the fairness in a Scale free network.

TECH SKILLS

- **Programming languages:** Java, C, Python, HTML, CSS, Javascript (all proficient level)
- **Framework and tools:** Spring (intermediate), NodeJs (intermediate), AngularJs (intermediate), Maven (proficient), Git (proficient), UML (proficient), Jira (proficient), Agile (proficient)
- **Database Management:** mySQL and PostgreSQL (proficient) , MongoDB (intermediate)
- **Systems:** Linux/Unix (intermediate), Docker (intermediate), Jenkins (Intermediate)
- Technologies currently learning: Redis, AWS, ReactJs