Doğukan Teber

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Education

Yasar University   Izmir, Türkiye
BSc in Software Engineering   *Graduating May 2023*

- 100% tuition scholarship
- 3rd place in CodeMaster programming contest
- Coursework: Introduction to Reinforcement Learning; Data Structures and Algorithms; Design Patterns; Operating Systems and Networks; Introduction to Machine Learning; Object-Oriented Programming; Database Systems; Software Construction
- Publication: Teber, D. (2022). Permafrost on parallel. https://summerofhpc.prace-ri.eu/. Retrieved October 24, 2022, from https://summerofhpc.prace-ri.eu/wp-content/uploads/2022/10/SoHPC2022_final_reports.pdf

Experience

PRACE | GET-Geosciences Environment Toulouse   Remote
Summer Research Intern   *June 2022 – September 2022*

- Rewrote a parallel utility with MPI that reduced the computation time by 50%
- Analyzed the performance of permaFoam with 4000 processes
- Parallelized the mesh creation in permaFoam, the OpenFOAM solver for permafrost modeling

Dopigo   Izmir, Türkiye
Junior Back-end Developer (Part-time)   *September 2021 – June 2022*

- Used Celery as a task queue and RabbitMQ as a messaging broker to execute asynchronous tasks
- Built SQL queries for performing various CRUD operations
- Integrated developments between e-commerce API services

Skills

- **Programming Languages**: Python, C++, C, Go, Bash, Javascript, Java, SQL
- **Other**: MPI, OpenMP, NumPy, scikit-learn, Pandas, Linux, Git, Docker

Open-source Contributions

- **hydrology**: Rewrote decomposePar utility in parallel using the MPI library
- **redis-py**: Added support for 6 Redis commands
- **nudoku**: Implemented pause/resume functionality to TUI-based sudoku game

Volunteering

Adnan Menderes Anatolian High School   Remote
Programming Instructor   *October 2021 – January 2022*

- Taught "Introduction to Programming with C" to high school students

SosyalBen Foundation   Izmir, Türkiye
Volunteer   *October 2019 –May 2021*

- Helped disadvantaged kids to discover their potential
- Opened one-week-long sports workshops
- Communicated with school administrators and organized workshops