Ahmad Abdulrahman Radwan

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EDUCATION

Faculty of Engineering, Al-Azhar University Cairo, Egypt
Bachelor of Engineering, Major in Systems and Computer Engineering *Sep. 2018 – Jul. 2022*
- Foundation year: 2017

PROBLEM SOLVING COMPETITIONS

- **Ranked 12th** on Egypt in Google HashCode 2021.
- **Finalist** in Africa & Arab Collegiate Programming Contest (ACPC) 2020.
- **Ranked 42nd** in Egyptian Collegiate Programming Contest (ECPC) 2020.
- **Ranked 3rd** on Egypt in IEEEXtreme 14.0 Programming Competition.
- **Expert** on CodeForces with max rating: **1831**, handle: RetiredRadwan.

EXPERIENCE & VOLUNTEERING

Mentor & Problem-setter Feb. 2020 – Present
AIC - Al-Azhar ICPC Community *Cairo, Egypt*
- Teaching topics, popular algorithms and techniques of competitive programming (CP).
- Helping write problem-sets for weekly sheets and contests.
- Currently, online tutoring +45 students in AIC'21 Level 2 Training.
- Trained +60 students in AIC'20 Level 1 Training.

PROJECTS

Notify Me | *JavaScript, HTML* Jan. 2021
- Developed a full-stack web browser extension which notifies contestants when there are announcements on VJudge OJ running contests, instead of wasting time reloading pages and looking for them periodically.

PSolving Paradigms | *C++* Dec. 2020 – Present
- Implementing an educational repository of common problems and their solutions in dynamic programming methods and techniques, including prerequisites for competitive programmers.
- Choosing problems from several online judges (basic and extra problems) and making a sheet in details; difficulty, topics, hints and notes, in case to solve.

In The Queue, Please | *Java, JavaFX, CSS* Dec. 2020
- Implemented the Deterministic and Stochastic Models in Queuing Theory, including showing graph result (if exists for a model).

Differentiation Lab | *Java* May. 2019
- Implemented a calculator that allows you to solve first order and higher order derivatives of any function using Apache exp4j library, based on GUI.

TECHNICAL SKILLS

Languages: C/C++, Java, Kotlin, Python, SQL, JavaScript, TypeScript, HTML/CSS.
Tools & Technologies: Linux, Git, Android, Object-oriented programming in Java & C++, Data Structures and Algorithms in Java & C++.