

ANDIAS ALFITRA SANTOSO

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EDUCATION

University of Illinois at Urbana-Champaign
Bachelor of Science in Physics

Expected May 2028
GPA: 4.00/4.00

Related Coursework:

Introduction to Computer Science I Relativity & Math Applications Calculus III Intro Differential Equations

TECHNICAL SKILLS

Lab/Research Processes: Titration, Circuit Analysis, Serial Dilution

Data Analysis & Computation: Java, Python (limited proficiency), C++ (limited proficiency)

Applications: Microsoft Office, Visual Studio Code

Spoken Languages: Indonesian, English

WORK EXPERIENCE

Self-employed

Physics and Mathematics Tutor

August 2023 – May 2024

- Taught A-Level physics and college-level calculus to high-school students and first-year college students
- Successfully coached students from having no confidence in the subject into achieving B grades or higher on their respective tests

Fisikampunk

Project Organizer, Graphic Designer

August 2023 – May 2024

- Collaborated with other Indonesian Physics Olympiad medalists to create online tutoring and try-out events for Olympiad-level physics
- Optimized event schedules for maximum online engagement and participation
- Designed advertisement posters for 5 events, attracted over 100 participants in total

EXTRACURRICULAR ACTIVITIES & LEADERSHIP

Kharisma Bangsa Science Olympiad Team

Tangerang Selatan, Banten

Head of Physics and Science Team

August 2021 – March 2024

- Participated and won awards in numerous national-level physics competitions in Indonesia held by the Indonesian government and top Indonesian universities
- Developed and implemented a curriculum tailored for both high-school Olympiad-level physics and middle-school Olympiad-level science (physics and biology), enhancing students' analytical and critical thinking skills
- Facilitated a collaborative learning environment that encouraged peer-to-peer support and knowledge sharing
- Successfully coached students to achieve high rankings in several national competitions, significantly improving their performance and confidence

NOTABLE AWARDS

- Reached final stage of selection camp for Indonesia national team for IPhO 2023 (one of 14 students nationwide)
- Bronze medal in 2022 Indonesia Physics Olympiad (USAPhO equivalent, 30 medals awarded to ~100 participants)
- 1st place Pesta Rakyat Fisika UI 2023, national physics competition held by Universitas Indonesia
- 2nd place IMPACT ITB 2022, national physics-math-informatics team competition held by Institut Teknologi Bandung
- 2nd place TOP COP UGM 2022, national physics competition held by Universitas Gadjah Mada