Ryan Eades

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Education:

Indiana University-Purdue University Indianapolis (IUPUI)   Aug, 2018-Oct, 2021
Mathematics, B.S., Computer Science, B.S., Physics Minor   3.5 GPA

Work:

Physics Department at IUPUI   Jan, 2020-May, 2021
Recitation Instructor/Peer Mentor
- Implemented flipped classroom approaches to improve access to abstract concepts
- Created csv file and used Zoom technologies(Spring 2021) to break a class of 80 into small groups to maximize a spirit of collaboration
- Oversaw Electromagnetism(Calculus-based) and Introductory Physics recitations

Mathematics Assistance Center at IUPUI   May, 2017-May, 2021
Tutor
- Applied mathematical abilities on a daily basis by assisting students of diverse majors and class standings
- Tutored college algebra, pre-calculus, calculus I-III, differential equations.

ID Tech Camps   Summer, 2019
Instructor
- On the clock from 6am-10pm overseeing 100+ campers
- Tailored course curricula in Python, Lua(Roblox) to facilitate learning across a broad range of learning styles and skill levels for ages 6-14
- Maintained a structured, safe atmosphere in a highly fast-paced environment

Relevant Skills and Concepts:

Computer Languages: Python, C/C++, Java(including GUI design with Swing), PHP, MySQL, HTML, JavaScript, VHDL
Concepts: Database management and design, digital system design, object-oriented-programming, data structures, full stack web development

Involvement:

Mathematics Club('21 President)	2018-2021
Computer Science Club	2019-2021
Hackillinois(University of Illinois Urbana-Champaign hackathon)	2019
UncommonHacks(UChicago hackathon)	2019

Awards:

High School: National Merit Scholar Commendation, 1510 SAT score
IUPUI: Distinguished Scholarship(4 year award), Anna K. Suter Award(mathematics), Yuri Abramovich Award(mathematics), Han Paik Mentorship Award(physics teaching)