Esslam Ashour

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EDUCATION

The University of Chicago | Chicago, IL

B.S. in Computer Science   Expected, June 2027

SKILLS

Programming Languages: Python, Go, JavaScript, Bash
Tools/Frameworks: Git, MySQL, PostgreSQL, Django, HTML/CSS, Bootstrap, Unix
Languages: Proficient in Arabic and Japanese

PROJECTS

Quarantimo | UWC ISAK Japan | Nagano, Japan   September 2021 - December 2021
- Enhanced remote learning experience and social interaction at UWC ISAK Japan high school by collaborating with a team of 5 to design the front-end of a web platform that connected off-campus and on-campus students during the quarantine period, resulting in 87% increased off-campus student engagement with on-campus students.
- Significantly enriched user experience by employing JavaScript and Bootstrap to create interactive and user-friendly interfaces, leading to a 40% increase in user engagement metrics.
- Received a 93% satisfaction rating from students and school administrators, showcasing exceptional time management, remote collaboration, and cross-border communication skills within the geographically diverse team.

EXPERIENCE

HPC Systems Administrator Assistant | UChicago Research Computing Center | Chicago, IL   October 2023 - Present
- Engineering software and scripts using Python and Bash, including an automated ticketing system, improving efficiency and leading to a 50% reduction in manual administration tasks.
- Collaborating with app development and management team to support and maintain HPC systems through tasks such as system installation, cabling, programming, and inventory management, resulting in uninterrupted system operation.
- Conducting weekly system inventory checks, ensuring 100% accuracy and up-to-date records for hardware and software resources, resulting in precise resource allocation and increased system reliability.

Freelance Software Developer | Phuket, Thailand   August 2022 - February 2023
- Crafted 6 customized automation bots for social platform servers, such as Discord, enhancing user experience and automating tasks like role assignment and moderation.
- Achieved a 42% reduction in manual moderation efforts and a 27% increase in user interaction and retention rates.
- Engaged in close collaboration with server owners to gain a comprehensive understanding of their specific needs, tailoring bots to cater to diverse server requirements and receiving a 100% satisfaction rating from all clients.

LEADERSHIP EXPERIENCE

Founder | UWC Coding Community | UWC Thailand   March 2022 - December 2022
- Led weekly lectures in a collaborative effort with two co-founders, targeting students from grades 6 to 11. Through these sessions, over 20 students achieved mastery in programming concepts like data structures and algorithms using Python.
- Executed various projects, including the development of a video game, student database, and calculator, utilizing libraries such as sqlite3 and pygame to create interactive and functional applications resulting in improved understanding.
- Utilized humorous slides and incorporated jokes during lectures to engage and immerse students in the learning process, resulting in 94% participation rate and 100% positive feedback from students and extracurriculars coordinator.

INTERESTS
- Boxing, cycling, ancient history and cat fostering.