Elifia Muthia

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EDUCATION

Barnard College, Columbia University | New York, NY | *BA in Computer Science*   Expected May 2024
Dean's List (Fall 2020, Spring 2021, Fall 2021, Spring 2022)   GPA: 3.96
Relevant Coursework: Data Structures & Algorithms, Advanced Programming, Artificial Intelligence, Linear Algebra

TECHNICAL SKILLS & LANGUAGES

Technical: Java, Python, C, R, MATLAB, Javascript, Unix/Linux, MySQL & PostgreSQL, MIPS, Git/GitHub
Languages: Indonesian

PROFESSIONAL EXPERIENCE

Barnard College | *Preceptor for College Algebra and Analytic Geometry* | New York, NY   Sept. 2022 – Present
- Assisted instructor with classroom technologies (e.g. handling Zoom recordings and discussions)
- Facilitated students with how and where to access specific course material
- Resolved any technical problems that may arise (e.g. A/V equipment not working)
- Prepared and compiled lecture materials to make them accessible for students

Barnard Programming Languages Lab, Barnard College | *Research Assistant* | New York, NY   Jan. 2022 – Present
- Developed a software with Columbia's Neurological Institute to measure tremor severity
- Funded by the Summer Research Institute
- Wrote code as part of team and underwent code quality reviews
- Regular meetings and presentations to report on progress of research
- Wrote an automated script that analyzes and graphs over 1000 rows of data

Private Tutor | *Mathematics and Computer Science* | Jakarta, ID | New York, NY (Remote)   Dec 2019 – Present
- Tutored 8 middle school and high school students each for 1 hour a week
- Enabled 3 students attain scores of 5 in AP Computer Science and Calculus & 7 in IB Computer Science
- Monitored each student's progress to ensure students' academic success
- Adopted different teaching strategies to better suit students' learning styles and goals

Docotel | *Software Developer Intern* | Jakarta, ID   June 2018 – Aug. 2018
- Developed an app with a team of 5 using Java and MySQL database
- Met daily with a mentor to update them on my progress
- Compiled meeting notes with clients for accurate project documentation
- Wrote progress reports tracking the milestones and problems encountered to maintain deadlines
- Tested and identified bugs across 3 different projects

LEADERSHIP & COMMUNICATIONS EXPERIENCE

Columbia Indonesian Society | New York, NY | *Community & Student Life Team*   Sept. 2021 – Present
- Organized large-scale events alongside a team of 4 to strengthen the Indonesian community at Columbia
- Negotiated with the executive board to secure $200 in funding for the team

E-commerce Club, Jakarta Intercultural School | Jakarta, ID | *Co-President & Co-Founder*   Jan. 2019 – May 2020
- Co-founded the club to provide an E-commerce site for service clubs who rely on merchandising to attain funds
- Interviewed service club leaders and consulted them to align the product with their expectations
- Led the technical team in the construction of the E-commerce website and oversaw the team's progress