

## Experience

	<b>Nawy</b>	Cairo, Egypt
2023	<b>Front End Software Engineer</b> <ul style="list-style-type: none"><li>Developed and maintained React atomic components for the real estate listing platform, ensuring consistent UI/UX via responsive SCSS styling.</li><li>Collaborated with the design team to create intuitive user flows, enhancing the overall user experience of the platform.</li><li>Contributed to discussions on server-side rendering and SEO optimizations, implementing best practices to improve the platform's search engine visibility and performance.</li><li>Worked closely with the backend team to optimize API structures, API calls, and data usage, resulting in reduced response times and enhanced data retrieval efficiency.</li></ul>	
2022	<b>Synapse Analytics</b> <b>Front End Engineering Intern</b> <ul style="list-style-type: none"><li>Collaborated in the production of unified React components for reuse in company-wide projects.</li><li>Implemented in TypeScript components from client designs and requirements.</li><li>Utilized WebKit and Mozilla vendor properties to ensure uniformity of work across platforms.</li></ul>	
2022-23	<b>Georgia Institute of Technology</b> <b>Undergraduate Teaching Assistant</b> <ul style="list-style-type: none"><li>Assisted students in the understanding of computer architecture, linear algebra, and coding</li><li>Created supporting materials that cover projection, raytracing, and geometry subdivision</li><li>Assessed student performance via thorough graphics and visualization assignments</li></ul> <b>Public Relations Director at WREK Radio</b> <ul style="list-style-type: none"><li>Led a small design team, with a focus of modernizing existing request processes</li><li>Created a multitude of engaging promotional materials to use on all social media platforms</li><li>Managed annual festival digital identity, marketing strategy, and merchandising</li><li>Spearheaded website redesign, management, and ongoing implementation</li></ul>	Atlanta, Georgia
2019 – 2020	<b>Research Assistant at Systems Psychology Lab</b> <ul style="list-style-type: none"><li>Organized and managed focus groups for data collection purposes</li><li>Engaged in detailed data analysis of qualitative and quantitative data sets</li><li>Collaborated in the launch of a new study focusing on teaching assistants' psychological wellbeing with the Georgia Tech Center for Teaching, and Learning (GT CTL)</li></ul> <b>Publications:</b> Dunbar, T. A., Abotaleb, I., & Iau, E. (April, 2020). Factors contributing to TA well-being. Poster presented at the CIRTLL All-Network TAR Presentation.	

## Education

	<b>Georgia Institute of Technology</b>
2019-2023	Bachelor of Science in Computer Science, Honors Program, <i>focus in Intelligence and Media</i> GPA: 3.91 – Highest Honors Relevant Courses: Data Structures and Algorithms, Linear Algebra, Computer Graphics, Machine Learning, Information Visualization, Computer Vision
2022-2024 (est.)	Master of Science in Computer Science, <i>focus in Computer Graphics</i>

## Projects

- Transfer App (2022)** An end-to-end encrypted progressive web app on Next.JS to facilitate the transmission of patient information between hospital institutions during the patient transfer process for Emory University Hospital
- Raytracer (2022-Present)** A Java based raytracer that calculates primitive intersections, shading, reflections, and shadows of 3D imagery in addition to advanced modelling tools utilizing on vertex/edge data

## Skills

### Natural Languages

Arabic  
English  
French

### Programming Languages

Python  
JavaScript  
TypeScript  
Java  
C  
C++

### Frameworks & Tools

NumPy  
PyTorch  
Git  
React  
React Native  
Next.JS

### Computer Applications

Adobe Photoshop  
Adobe Lightroom  
Adobe Illustrator  
Adobe After Effects  
Adobe XD  
Final Cut Pro X