Omar F. Al-Obaidi

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Objective

Versatile computer engineering student with 2+ years of experience in object-oriented programming and engineering concepts. Interested in the intersection between software development and hardware engineering. Seeking an internship/Co-op position for Summer/Fall 2025.

Education

Georgia Institute of Technology | Atlanta, GA *May 2024 – Present*
Bachelor of Science in Computer Engineering, GPA 3.76 Expected Graduation, May 2027

Emory University | Atlanta, GA *August 2020 – May 2024*
Bachelor of Science in Chemistry GPA 3.60
Transfer with 89 Credit Hours

Skills

Programming: Java (Object-oriented concepts), Python, C, JavaScript, CSS, HTML, GitHub, IntelliJ, VS Code, Assembly
Soft Skills: Articulate, capable, hardworking, synergetic, open-minded
Languages: Arabic (fluent), English (fluent), German (beginner)

Experience

Reffy Inc. | Atlanta, GA *September 2024 – Present*
Full Stack Developer Intern
- Worked alongside software developers to design and implement a scalable, distributed infrastructure that supports business operations.
- This infrastructure underpins all application and business functions, featuring a user-oriented web application and a microservice architecture.

Michael McCormick | Atlanta, GA *August 2022 – May 2024*
Chemistry Laboratory Assistant / Emory Department of Chemistry
Chemistry TA for the department's foundational laboratory courses.
- Assisted graduate TAs in weekly 3-hour laboratory sections; led sections of 30+ students independently when graduate TA was absent.
- Answered student questions on lab techniques and procedures.
- Prepped labs for a multitude of classes, including for the upper-level macromolecule and analytical techniques laboratories.

Projects

HackGT |Georgia Institute of Technology *September 2024*
Participant
- Developed a medical prescription management software using TypeScript, Next.js, and database technologies to streamline prescription tracking and patient medication management.
- Enhanced prescription accuracy and reduced administrative tasks, improving overall efficiency and patient safety in healthcare practices.

HackATL |Emory Goizueta Business School *November 2023*
Participant
- Directed the design of a productivity app, Memly, geared towards boosting student work efficiency utilizing Ebbinghaus's Forgetting Curve hypothesis.
- Collaborated with colleagues on pitching strategies, and mediated discussions regarding consumer analytics and prototype design approaches.

Relevant Coursework

Linear Algebra, Digital Systems and Design 2, Data Structures and Algorithms, Programming HW/SW Systems, Introduction to Discrete Math, Multivariable Calculus, Ordinary Differential Calculus

Activities

Emory Robotics | Student Member *August 2022 – May 2024*
- Collaborated weekly with other members in building two robots for the VEX Robotics Competition. Devised and designed as part of the electrical team, setting up electrical components for the programming team.
- Advocated for members' needs as an informal member of the club's executive team.
- Participated in a regional competition as part of the driver team.