TAWFIQ ALIU

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EDUCATION

B.S. Computer Science · Dec 2023
Georgia Institute of Technology · Atlanta, Georgia

- Relevant Coursework: Data Structures and Algorithms, Design & Analysis of Algorithms, Intro to AI, Digital Design Lab, Machine Learning, Operating Systems

SKILLS, LANGUAGES, AND AWARDS

Programming Languages:	Java, HTML/CSS, JavaScript, C, VHDL, Python, Kotlin, PostgreSQL
Frameworks:	React, Angular, Flutter
Certifications:	Oracle Certified Associate, Java SE 8 Programmer
Awards:	NJIT Programming Competition(1st in GSU)
Honors:	MLT CP Fellow, KP Fellow Finalist

WORK EXPERIENCE

Systems Engineering Intern · May 2023 - Aug 2023
Boston Scientific | Valencia, CA

- Pioneered the development of a POC desktop and mobile application with **Flutter**, enabling real-time battery estimates for over 2,000 devices aiding patients with chronic pain and Parkinson's
- Coordinated UI design through Figjam and Figma, garnering positive feedback from 3 marketing teams and 2 PMs
- Automated a script to streamline device programming, slashing therapy programming time by an impressive 93%

Software Engineering Intern · Jan 2023 - May 2023
AudioT | Atlanta, GA

- Engineered a desktop tool, utilized by 15 team members, that reduced human error by 20% in training a poultry health identification model
- Employed React, Amazon S3, AWS Lambda, and PostgreSQL to construct a data schema for an application handling over 50,000 records

Software Development Intern · May 2022 - Aug 2022
Amazon | Seattle, WA

- Revitalized an internal web-based tool, elevating efficiency in tax document automation by 63%, which benefitted 40+ financial analysts
- Spearheaded the creation and testing of AWS Lambda functions, seamlessly integrating them with Amazon API Gateway and Cloud Formation

Software Engineering Intern (STEP) · May 2021 - Aug 2021
Google | Remote

- Overhauled a financial dashboard that facilitated over $3 trillion in transactions, improving productivity by 30%
- Mitigated technical debt by identifying and rectifying 17 critical bugs, resulting in a 15% increase in codebase efficiency

LEADERSHIP

Founding Secretary · Sept 2020 - May 2021
GSU ProgClub

- Quadrupled club membership to 400+ through targeted events like hackjams, speaker series, and interview prep sessions
- Launched bi-weekly technical mock interview sessions, boosting participant confidence levels by an average of 25%
- Conducted weekly coding workshops, resulting in a 20% increase in member engagement and practical skill development