

# Abdelrahman Qamhia

Bethlehem, PA • 6106533738 • aaq225@lehigh.edu  
linkedin.com/in/aqamhia • github.com/aaq225 • aaq225.github.io/q

## EDUCATION

Lehigh University, Bethlehem, PA

### Bachelor of Science in Computer Engineering

Honors: IEEE Honor Society (HKN), Frank Williams Scholarship, Dean's List

Related Coursework: Software Engineering, Web Systems Programming, Computer Architecture, Systems Software, Electronic Circuits, FPGA Lab, Microcontroller Lab, Signals & Systems, Discrete Mathematics

Graduation: May 2025

GPA: 3.69 | Major GPA: 3.87

## TECHNICAL SKILLS

**Programming Languages:** Java, HTML, CSS, JavaScript, Python, SQL, C/C++, MIPS Assembly, Verilog

**Frameworks/Libraries:** React, Node.js, Express.js, Material-UI, Pandas, NumPy, Matplotlib, jQuery, Bootstrap

**Other Tools:** Git, Maven, VS Code, Dokku, Postman, npm, Linux, LaTeX

**Languages:** English (Native), Arabic (Native)

## RELATED EXPERIENCE

### Prompt Engineer/UX Designer Intern

WEHEAD, San Francisco, CA

May 2024 – Present

- Implemented and refined over **15 AI avatars**, enhancing interaction accuracy and user engagement
- Designed web interfaces and integrated with **Azure/OpenAI API**, enabling seamless user control of avatars
- Spearheaded testing and analytics of AI conversations, achieving a **25% performance improvement in UX**
- Deployed and monitored WEHEAD devices at various locations, analyzing customer feedback for improvements

### Teaching Assistant, Introduction to Java Programming

Prof. Kallie Ziltz, Lehigh University, Bethlehem, PA

August 2023 – May 2024

- Evaluated 50+** coding assignments per week, providing constructive feedback with average **48-hour turnaround**
- Held 2 office hours per week, assisting students with course material and coding challenges
- Graded and proctored students' exams ensuring **fairness** and **thoroughness** in assessment
- Fostered a collaborative learning environment, **encouraging peer-to-peer support**

### Teaching Assistant, Applied Engineering and Robotics

Prof. George Witmer, Lehigh University, Bethlehem, PA

August 2022 – May 2023

- Supervised lab sessions and held office hours for up to **50 students**, focusing on troubleshooting technical issues
- Troubleshooted **45+ robots weekly**, maintaining an effective and well-functioning learning environment
- Devised interactive demonstrations, enhancing practical understanding and application of course concepts

### Technology and Computer Specialist, Nablus, Palestine

Nabtech Technology and Protection Systems

April 2020 – April 2021

- Mastered hardware, software, and customer service skills through Geek Squad and tech support roles
- Acquired over **100 new customers** by effectively marketing the company and targeting preferred audiences digitally
- Troubleshooted customer problems, providing effective solutions and **increasing customer 5-star rating by 50%**

## RESEARCH / PROJECT EXPERIENCE

### Lehigh University Silicon Valley Social Impact Fellowship

January 2023 – December 2023

- Developed an interactive website with a map to guide food-insecure individuals to essential resources
- Established **15+ strategic partnerships** with organizations dedicated to providing food assistance to those in need, amplifying the reach and impact of the initiative
- Conducted field research in San Francisco, gathering data and insights on food sovereignty

### Student Project Manager at Restored, Nablus, Palestine

January 2020 – April 2020

- Raised \$15,000** to install solar panels for **30+ households** in a remote village, improving their quality of life

- Accelerated the project timeline** from three months to one month by recruiting volunteers and donors

## LEADERSHIP / COMMUNITY INVOLVEMENT

Vice President of Lehigh University Table Tennis Club

January 2022 – May 2023

- Organized tournaments that fostered community engagement, **increasing club membership by 167**
- Secured \$2,000 in funding** through sponsorship negotiations, enabling equipment upgrades and enhanced events