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# Meelad Doroodchi

5856 Glassport Ln  
Charlotte, NC 28210

## OBJECTIVE

Looking for unique internship opportunity to build on my current programming skills while understanding the integral process of computing related tasks inside organizations.

## EDUCATION

**B.S. in Computer Science with a Concentration in Data Science (Senior), Graduation Summer 2024,**  
*University of North Carolina - Charlotte, GPA: 3.9*, Charlotte, NC

## SKILLS

<b>Tools and Languages</b>	Python, SQL, C, Java 8+, Confluence, Jira, Git, L <sup>A</sup> T <sub>E</sub> X, Snap!, Scratch, HTML/CSS
<b>Communication</b>	English (native), Spanish (fluent)
<b>Other</b>	Graphics Editing, Designing, Data analysis

## RECENT PROJECTS

<b>Augmented Reality</b>	Unity/C++	Study of Self-Avatar Appearance in Augmented Reality
<b>Item Locator</b>	Java 8+	Enhancing application filters to locate store items in specific Lowe's stores.
<b>Data Migration</b>	SQL	Migrating large CSV files to SQL-based databases.
<b>Graphs</b>	Python	Finding shortest path between two cities using Dijkstra's Algorithm.
<b>Enigma Machine</b>	Python	Enigma Machine Simulator.
<b>Image Processing</b>	Python	An Image Processing application capable of color equalizer, gray scaling, etc.

## RECENT WORK EXPERIENCE

<b>Research Assistant</b>	<b>January 2024 — Present</b>
<i>University of North Carolina at Charlotte</i> Charlotte, NC	

- Funds to finish full stack development.

<b>Data Mining Teaching Assistant</b>	<b>January 2024 — Present</b>
<i>University of North Carolina at Charlotte</i> Charlotte, NC	

- Assisted students in doing projects using data analyses techniques and enhancing their personal portfolios.

<b>Software Engineering Teaching Assistant</b>	<b>August 2023 — December 2023</b>
<i>University of North Carolina at Charlotte</i> Charlotte, NC	

- Assisted students in doing projects using GitHub and developing full-stack applications

<b>Software Engineering Intern</b>	<b>May 2023 — August 2023</b>
<i>Lowe's Tech Hub</i> Charlotte, NC	

As a soul intern in a team of professional developers experienced development cycles.

- Participated in the design, development, test, and evaluation of the backbone software and systems.
- Active team member of application development team to allow finding all specific store projects in warehouses.
- Day-to-day duties of code review and propose enhancements.

<b>Resident Advisor(RA)</b>	<b>August 2022 — May 2023</b>
<i>Resident Life and Housing- Willamette University</i> Salem, OR	

- Development of activities and educational opportunities for residents as well as sense of community and group responsibility.
- Perform administrative duties, such as on-duty coverage, maintenance requests, and etc.

<b>Summer Undergraduate Research Experience</b>	<b>May 2022 — July 2022</b>
<i>Research Experience for Undergraduates (NSF-REU) - University of Central Florida</i> Orlando, FL	

Under supervision of professor and grad students conducted research in Augmented and Virtual Reality.

- Published Paper: Effects of Optical See-Through Displays on Self-Avatar Appearance in Augmented Reality, 2022  
Proceedings of the International Symposium on Mixed and Augmented Reality (ISMAR)

<b>Office Assistant</b>	<b>January 2022 — December 2022</b>
<i>Office of Religious and Spiritual Life - Willamette University</i> Salem, OR	

Helped the chaplain with marketing events and funding of her financial budget for the next four years.

- Organizing Events, Budget in Excel, and Creating marketing events in Canva.

## AP CS Principles Teaching Assistant

UNC Charlotte

Summer 2019

Charlotte, NC

Helped with the professional development teacher's workshop on Computer Science Principles.

## Math/Reading Tutor

Kumon

April 2019 — January 2020

Huntersville, NC

Tutored younger children in Math and Reading, helped grade the homework assignments, and helped the students learn.

- Worked directly with younger kids with their Math and Reading.
- Grading and directing on Math and Reading assignments.

## PUBLICATIONS

- *Effects of Optical See-Through Displays on Self-Avatar Appearance in Augmented Reality*, IEEE, 2022  
Authors: Meelad Doroodchi, Priscilla Ramos, Austin Erickson, Hiroshi Furuya, Juanita Benjamin, Gerd Bruder, Gregory F. Welch  
[Link to Publication](#)

## ACHIEVEMENTS

Willamette Men's Basketball Player , (2020-2023) Sigma Chi Fraternity Vice President , (2022-2023) IFC Recruitment Chair , (2021-2023) , SAAC Committee , (2021-2023) Sweetheart Chair in Sigma Chi Fraternity , (2021-22) , All-Academic Team , (2019-20) Mu Alpha Theta , (2018-2020), A/B Honor Roll , (2017-2020), Varsity Basketball HS Captain , (2017-20),