

SUMMARY

Computer Science student in my last semester at Ben-Gurion University (GPA 85), passionate about software development and eager to tackle large-scale engineering challenges. Skilled in C++, Python, and Java, with hands-on experience in backend logic, algorithms, and clean, scalable code design through academic and personal projects. Quick learner, and enthusiastic about growing as an engineer in a high-scale, fast-paced environment. Available for a full time role.

EDUCATION

B.Sc. Computer Science

October 2021-Today

Ben Gurion University of The Negev

WORK EXPERIENCE

Academic Projects

2022-2024

- **Networking:** Implementing both a server, which provides "Simple-Text-Oriented-Messaging Protocol" server services and a client, which a user can use in order to interact with the rest of the users, the server support both Thread-Per Client (TPC) and the Reactor pattern in Java while the client in C++.
- **Handwritten Arabic Text Recognition (OCR):** Developed a deep learning OCR model in TensorFlow combining CNNs and bidirectional RNNs with CTC decoding to recognize handwritten Arabic text from line images.
- **Ray Tracing:** Implemented a ray tracer using a Simple C++ OpenGL engine that shoots rays from the observer's eye through a screen into a scene of objects. The program calculates the ray's intersection with objects, finds the nearest intersection, and determines the color of the surface based on its material and lighting conditions.

Academic Tutor

2022-Today

- Design of Algorithms (course grade 91).
- Compiler Principles (course grade 99).

Volunteering

2022-2023

- Web Development And Computer Science Teacher For High School Students With Pearach - a National Program For Social Impact.

SKILLS & QUALIFICATIONS

- Programming Proficiency

- Algorithm Design

- Problem-Solving Ability

- Team Collaboration & Learning

SELF LEARNING

Online Courses

- Complete C# Unity Game Developer 2D
- Complete A.I. & Machine Learning, Data Science Bootcamp

languages

- English
- Hebrew
- Arabic



To: Ganaiem Mohammad
ID. Number: 211410881

Academic Record

| Year/ | Semester | Group | Course | Course Name | Lecturer | Type | Grade | Credits | Hours | Comments |
|---|----------|------------|--|---------------------------------|-----------------------------------|------|-------|---------|------------|----------|
| Institution: Ben-Gurion University Of The Negev | | | | | Degree: B.Sc. in Computer Science | | | | | |
| Department: 202 Computer Science | | | | | | | | | | |
| 2025 - 3 | 1 | 206.1.7081 | "Fire and Ice and Rain of Iron"- Change in Earth History | Dr. M. Sadeh Raz | Lecture | ==== | 3 | 3 | | |
| 2025 - 2 | 1 | 126.1.1271 | Reading in the Zohar | Prof. J. Weiss | Lecture | 800 | 2 | 2 | Incomplete | |
| | 1 | 192.1.0062 | Traditional VS Western Medicine | Dr. O. Shvarzman | Lecture | 95 | 2 | 2 | | |
| | | | | Mr. A. Rotbard | | | | | | |
| | | | | Mr. U. Bassan Dvash | | | | | | |
| | 4 | 202.1.2011 | Computational Models | Dr. S. Ben Daniel | Lecture | ==== | 5 | 6 | | |
| | 2 | 202.1.3031 | Operating Systems | Prof. D. Hendler | Lecture | 81 | 5 | 6 | | |
| | 1 | 202.1.4901 | Advanced Computer Graphic | Prof. A. Sharf | Lecture | ==== | 2 | 2 | | |
| | 1 | 202.1.6171 | Group Decision Making and Applications to Computer Science | Dr. L. Sapir | Lecture | 99 | 4 | 4 | | |
| 2025 - 1 | 1 | 124.1.0118 | Society and Law in the Middle East | Prof. A. Rubin | Lecture | 800 | 2 | 2 | Incomplete | |
| | 1 | 144.1.0019 | Human Rights and Nonviolence - A Cinematic Journey in The Footsteps of Two Nonviolent Freedoms Fighters | Dr. Y. Ronen | Lecture | 96 | 2 | 2 | | |
| | 1 | 201.1.3021 | Probability and Statistics for Computer Science | Dr. L. Sapir | Lecture | 100 | 5 | 6 | | |
| | 1 | 202.1.3021 | Compiler Principles | Dr. M. Goldberg | Lecture | 99 | 5 | 6 | | |
| | 1 | 202.1.4902 | Topics in Image Processing | Prof. J. El Sana | Lecture | 95 | 2 | 2 | | |
| | 1 | 202.1.5061 | Data Base Systems | Dr. A. Sapir | Lecture | 100 | 4 | 4 | | |
| | 1 | 205.1.9004 | Selected Topics in Biology | Prof. D. Toiber | Lecture | 75 | 3 | 3 | | |
| | | | | Prof. R. Gazit | | | | | | |
| | | | | Prof. B. Rotblat | | | | | | |
| 2024 - 2 | 1 | 201.1.3011 | Introduction to Probability for Computer Science | Professor Emeritus D. Berend | Lecture | 73 | 4.5 | 5 | | |
| | 1 | 202.1.2011 | Computational Models | Prof. D. Fisman | Lecture | 800 | 5 | 6 | Incomplete | |
| | | | | Prof. K. Efremenko | | | | | | |
| | 1 | 220.1.0001 | Topics in Environmental Issues, Sustainability and Conservation | Prof. Y. Ziv | Lecture | 88 | 2 | 2 | | |
| | | | | Mr. M. Markfeld | | | | | | |
| | 1 | 361.1.3301 | Introduction to computers to Computer science | Dr. U. Swisa | Lecture | 400 | 3.5 | 4 | Pass | |
| | 1 | 700.1.1500 | Ultimate Frisbee | Mr. N. Lasker | Lecture | 400 | .5 | 1 | Pass | |
| | 1 | 700.1.1731 | Ping pong | Ms. D. Grauman | Lecture | 400 | .5 | 1 | Pass | |
| | | | | Mr. M. Noyman | | | | | | |
| 2024 - 1 | 2 | 201.1.3011 | Introduction to Probability for Computer Science | Professor Emeritus D. Berend | Lecture | 72 | 4.5 | 5 | | |
| | 1 | 202.1.2041 | Design of Algorithms | Dr. S. Ben Daniel | Lecture | 91 | 5 | 6 | | |

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Institution: Ben-Gurion University Of The Negev

Department: 202 Computer Science

Degree: B.Sc. in Computer Science

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|----------|----|------------|---|-----------------------|---------------|-----|-------|-----|------------|
| 2024 - 1 | 2 | 202.1.3011 | Introduction to Numerical Analysis | Dr. L. Sapir | Lecture | 400 | 5 | 6 | Pass |
| | 1 | 202.1.5011 | Computer Graphics | Prof. A. Sharf | Lecture | 91 | 4.5 | 5 | |
| 2023 - 2 | 1 | 201.1.7021 | Algebra 2 for CS | Prof. A. Hasson | Lecture | 72 | 5 | 6 | |
| | 1 | 202.1.1021 | Mathematical Applications in Computer Science | Dr. L. Cohen | Lecture | 86 | 1 | 1 | |
| | 4 | 202.1.2051 | Principles of Programming Languages | Prof. M. Elhadad | Lecture | 87 | 5 | 6 | |
| | 2 | 202.1.2081 | extended System Programming Laboratory | Prof. E. Shimony | Lecture | 88 | 2 | 3.5 | |
| | 1 | 299.1.1121 | Library Orientation | | Online Course | 400 | 0 | 0 | Pass |
| | 1 | 361.1.3301 | Introduction to computers to Computer science | Dr. U. Swisa | Lecture | 54 | F 3.5 | 4 | |
| 2023 - 1 | 12 | 153.1.5051 | English Advanced B | Dr. S. Lehrer Bettan | Lecture | 71 | 2 | 4 | |
| | 4 | 201.1.2371 | Calculus 2 for Computer Science and Software Engineering | Prof. A. Ukhlov | Lecture | 81 | 5 | 6 | |
| | 3 | 201.1.7011 | Algebra 1 for CS | Dr. M. Porat | Lecture | 84 | 5 | 6 | |
| | 3 | 202.1.2031 | Systems Programming | Dr. M. Kogan-Sadetsky | Lecture | 82 | 5 | 6 | |
| 2022 - 2 | 5 | 153.1.5041 | English Advanced A | Dr. S. Lehrer Bettan | Lecture | 71 | 0 | 4 | |
| | 1 | 201.1.2361 | Calculus 1 for Computer Science and Software Engineering | Dr. S. Gabrielyan | Lecture | 84 | 5 | 6 | |
| | 1 | 202.1.0021 | Introduction to Algorithms: Foundations of Probability | Prof. M. Zehavi | Online Course | 400 | 0 | 0 | Pass |
| | 4 | 202.1.1031 | Data Structures | Ms. M. Shemesh | Lecture | 75 | 5 | 6 | |
| | 3 | 202.1.1061 | Discrete Structures and Combinatorics | Dr. Y. Stein | Lecture | 73 | 5 | 6 | |
| | 0 | 503.5.2006 | Hebrew Level Vav part 2 | Ms. G. Asor | Lecture | 78 | 0 | 3 | |
| 2022 - 1 | 1 | 201.1.0201 | Introduction to Logic and Set Theory for CS & SE | Dr. M. Ziv Av | Lecture | 92 | 5 | 6 | |
| | 1 | 202.1.0011 | Math Proficiency | Prof. N. Rubin | Online Course | 400 | 0 | 0 | Pass |
| | 2 | 202.1.1011 | Introduction to Computer Science | Dr. Y. Twitto | Lecture | 76 | 5 | 6 | |
| | 1 | 299.1.1121 | Library Orientation | | Online Course | 800 | 0 | 0 | Incomplete |
| | 2 | 361.1.3131 | Digital Systems | Dr. R. Shmueli | Lecture | 76 | 3.5 | 4 | |
| | 1 | 503.5.1006 | Hebrew Level Vav part 1 | Ms. G. Asor | Lecture | 78 | 0 | 3 | |
| | 1 | 900.5.5001 | Prevention of Sexual Harassment: The Israeli Law and the University Regulations | Ms. M. Abramov | Online Course | 400 | 0 | 0 | Pass |

Path Credits: 116.00 Path Average: 85.09

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| B.Sc. in Computer Science - Credits: 116 Total Average: 85.09 |
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