

Menachem Carroll

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EDUCATION

University of Washington, Seattle, WA

June 2024 - Expected Dec 2026

B.S. in Computer Engineering

Selected Coursework: Hardware/Software Interface, Data Structures, Digital Design, Circuits, Systems Design

Seattle Central College, Seattle, WA

Jan 2023 - June 2024

A.S. in Computer Engineering, GPA: 3.97, AS in Engineering Track II

RELEVANT QUALIFICATIONS

- **Programming languages:** Java, JavaScript, Python, C, C++, CSS, HTML
- **Problem-Solving Skills:** Computational Logic, Physics III, Statistics
- **Teamwork and Communication Skills:** Collaborates effectively, leads small teams, explains technical concepts clearly

EXPERIENCE

Digital Aid Seattle

December 2025 - present

Back-end Engineer

- Develop and optimize software solutions tailored to meet NGO partners' challenges. Continually refining solutions based on feedback, ensuring they are user-centric and efficient.
- Assist and train users, both technical and non-technical, ensuring they're comfortable with the tools and software solutions provided.

University of Washington

March – Present

Teaching Assistant – CSE351: The Hardware/Software Interface

- Lead discussions and office hours, guiding students in number representation, assembly, and memory
- Assist in grading assignments and exams with constructive feedback
- Collaborate with instructor and TA team to refine course materials

Community Homes

June 2024 - Present

Nonprofit Technology Advisor

- Develop tech solutions to match adults with disabilities to family homes
- Streamline placement processes and staff workflows

Ecom Consulting LLC

March 2022 - Sept 2024

Owner/Operator

- Designed and implemented technology solutions to optimize performance
- Analyzed user requirements and adapted development strategies

MILITARY SERVICE

Israeli Defense Force

March 2016 - Oct 2018

Combat Emergency Medical Technician

- Served as combat EMT, providing medical and operational support
- Specialized in problem-solving and system analysis under pressure

PROJECTS

- **Data Structures from Scratch:** Implemented lists, stacks, queues, trees in Java/C++
- **"Mini Google":** Search engine with indexing and ranking
- **Flappy Bird FPGA:** Playable game built in Verilog on FPGA
- **Cache/VM Simulator:** Visualized cache and virtual memory behavior

LANGUAGES

English & Hebrew

Fluent

American Sign Language (ASL)

Beginner