Rachel Braun – Embedded Developer

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Profile

Talented and creative software developer with strong programming skills and a passion for the field. passionate about tackling challenges, excelling in independent learning, highly motivated, and problem-solving capabilities. Looking for a challenging position in a development team.

Education

2024 | Mobileye Bootcamp.

Participants in the bootcamp were selected from 1,600 candidates based on their scores in the Ultra Code program.

- Practicing Algorithms and Data Structures in C++, with emphasis on daily code reviews by professional mentors.
- Development of a complex game (Catan): Independent work on the game development, including class design and architecture. Completing daily tasks that led to methodological development.
- Studying in-depth courses in verification – Verilog, System Verilog, SVA, UVM.
- Project: Establishing a UVM testbench for the Yapp Router component.

2022-2024 | Software Engineering Studies

- Studies for a Software Engineering diploma of MAHAT, by the College of Management in Rishon LeZion.
- Ultra Code courses from Kamatech.
- Assisting fellow students in identifying and fixing bugs in code, feedback and sharing improvement techniques.

2022 | Matriculation certificate| Haifa High School (Average grade: 96)

- Completing independently 4 units of study in Mathematics.

Professional Knowledge

Programming Languages: C, C++, C#, Java, Python
Verification: Verilog, System Verilog, Native System Verilog TB, SVA, UVM, RAL
Additional Courses and Specializations: OOP, Information Systems Analysis, Data Communication, and Information Security
Operating Systems: Windows, Linux
Ultra Code Program: Data Structures, Algorithms, Graph Algorithms, Operating Systems, Digital Systems, Advanced Mathematics.

Projects

C++ Project
Developing the game Catan, integrating complex logic and sophisticated class design.
User interface utilizing the OpenCV library.
Utilized Design Patterns, (Singleton, Factory) and OOP principles.

Verification Project
Established a complete verification environment for the Yapp Router component, including creating complex hardware tests.

Languages

Hebrew – Native language | **English** – Good level