Goran Ivančić

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Education

Faculty of Electrical Engineering and Computing Zagreb, Croatia
Bachelor of Engineering in Computing 2024 - 2028 *(expected)*
- GPA: 4.80/5.00
- Research area: Implementation of computational mechanisms in neural circuits and cybersecurity
- Relevant coursework: Mathematical Analysis, Computer Architecture, Theory of Information, competitive cybersecurity

DOBA Faculty Maribor, Slovenia
Bachelor in Applied Psychology 2024 - 2028 *(expected)*
- GPA: 8.75/10.00
- Research area: Spacial cognition and local neural dynamics
- Relevant coursework: Clinical Psychology, Cognitive and Neuroscience, Decision Making Cognition

Publications

1. **Goran Ivančić**. Moore Machine architecture implemented purely on a multi-layer Hopfield network: a different perspective of sequential memory in humans, 2025. *Sixth International Conference of Mathematics of Neuroscience and AI*

Projects

Neural Computer Architecture
University of Zagreb, Beijing Normal University 2025.02 - Present

Understanding spacial cognition and transfer between people
Independent project 2024.07 - Present

Work Experience

Speedcubing Hrvatska | System admin 2025.01 - Present
- Develop and maintain the organizations website.
- Develop and maintain a CMS system for news about the organization.

Faculty of Electrical Engineering and Computing | Lab assistant 2024.10 - 2025.02
- Help other students with completing their lab work for *Digital Logic*.
- Learn about VHDL and FPGA technology.

mStart Ltd. | Documentation Archivist 2024.07 - 2025.08
- Handle and prepare documentation of archiving.
- Check for discrepancies in the documentation.

Awards and Honors

- **Top 5% high school graduates**, In mathematics and physics 2024.07
- **First award**, Computer Science competition 2020.10
- **Judges Award**, First Lego League 2019.04

Skills & Interests

Languages: Croatian (native), English (C1), Japanese (N4 - A2).
Programming: Python, C/C++, MATLAB, HTML/CSS/JS, Java.
Creative hobbies: Writing, Dungeons & Dragons, Drawing.
Research interests: Local neural dynamics, Spacial cognition, Computer architecture