

Vahid Ehsanzadeh

CONTACT

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Technology

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EDUCATION

Bachelor of Science in Materials Science

2018 — Present

Sharif University of Technology

- Total GPA: 3.61/4.00, last 4 semesters GPA: 3.90/4.00

Minor in Economics

2019 — Present

Sharif University of Technology

- GPA: 4.00/4.00

High School Diploma in Mathematics and Physics

2014 — 2018

Shahid Ejei High School (NODET)

- GPA: 4.00/4.00

RESEARCH EXPERIENCE

Undergraduate Researcher under Dr. Simchi's supervision 2020 - Present

- Hands-on experience in fabrication of Perovskite solar cells from top to bottom.
- Able to operate lab equipment such as: Glovebox, Spin-Coater, Pipette, PVD, Autolab etc.
- Familiar with synthesis of Perovskite quantum dots using hot injection and LARP methods.

WORK EXPERIENCE

Ronash Tech Pars

July 2022 — September 2022

Summer internship

- Development and formulation of carbon and Ag nano-wire based conductive inks.
- Management of a short-term project.

AWARDS AND HONORS

- Ranked in top 10% of the class (6th out of 77).
- Ranked 427 out of 120,000 candidates in national university entrance exam.

RESEARCH INTERESTS

- Perovskite photovoltaics
- ML and computer simulation
- Nanomaterials
- Conductive inks
- Electronic properties of materials
- Thermodynamics

SKILLS

Computer skills

- Scientific programming in Matlab, Julia and Python (intermediate)
- Machine learning in Julia.
- High performance computing with Julia
- Microsoft office (intermediate)
- AutoCAD (elementary)

Language

- English (proficient)
- Persian (native)
- French (elementary)
- Arabic (elementary)

Other skills

- Design and manufacturing of FDM 3D printers (certificate)

HOBBIES AND ACTIVITIES

Activities:

- Head of Cinema's History section in Decoupage Student publication.
- Member of Materials science Department Student Council.

Hobbies

- Soccer
- Cinema
- Tennis