

# Sam Nadjian

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## RELEVANT EXPERIENCE

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### Teaching Assistant

Jan. 2023 – Present

*Dalhousie University*

*Halifax, NS, Canada*

- Undertook responsibilities in a teacher assistance position in Software Projects (CSCI 2690).
- Partnered with the professor, planned and implemented creative projects following the school's curriculum and objectives, improving students' understanding of course material.
- Hosted an average of 12 hours of open student assistance per semester.
- Supported classroom projects in project management, tutoring, and reviewing work.

### Software Developer

Sept. 2018 – Dec. 2020

*Pars Shar Barez*

*Tehran, Iran*

- Unified three isolated programs into one software solution utilizing Java, PHP, SQL(MySQL), and RESTful API reducing user workload by up to 75%.
- Revised, modularized, and updated old code bases to modern code bases.
- Developed standards for employee software interaction, reduced operating costs by 40%, improving functionality.
- Designed intuitive graphical user interfaces to improve user experience.

## OTHER EXPERIENCE

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### MakerSpace Coordinator

Sept. 2023 – Present

*Emera Idea HUB, Dalhousie University*

*Halifax, NS, Canada*

- Trained students on the safety protocols and applicable use cases for all MakerSpace tools and equipment.
- Ensured the safety of students by monitoring their work and reporting any safety hazards to management.
- Managed and monitored inventory of materials and tool conditions, performing necessary repairs to ensure operational efficiency and reliability.
- Helped over a thousand students learn additive/subtractive manufacturing best practices.

## EDUCATION

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### Dalhousie University

Halifax, NS, Canada

*Bachelor of Science, Computer Science*

*Sept. 2022 – Present*

### Ontario Tech University

Oshawa, ON, Canada

*Bachelor of Science, Software Engineering*

*Sept. 2021 – Aug. 2022*

## TECHNICAL SKILLS

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**Languages:** Java, C/C++, PHP, HTML/CSS, TypeScript, JavaScript, Node.js, OpenGL, FXML, Pascal.

**Technical:** Git, MySQL, MVC, Scene Builder, RESTful API, JUnit, JavaFX, SFML.

**Interpersonal:** Time Management, Organization, Teamwork, Written and Verbal Communication, Collaboration, Bilingual (English and Farsi)

## PROJECTS

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### Fair Dice Creator | *personal project*

May 2022

- Developed a functional Java Windows application, generating optimal die faces using an electrostatic force model.
- Utilized Java libraries and frameworks to create functions that allowed for recursive generation of the dice.
- Utilized Java debugging tools and eliminated 93% of identified bugs.
- Implemented over 6 different JUnit tests for each function future-proofing development and open-source contributions.

## CERTIFICATIONS

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**WHMIS 2015:** Faculty of Open Learning & Career Development, Dalhousie University.

**Occupational Health & Safety:** Faculty of Open Learning & Career Development, Dalhousie University.

**Soft Skills Training:** Simcoe Muskoka Workforce Development Board.

**Worker Health & Safety Awareness in 4 Steps:** Ministry of Labour, Training and Skill's Development.