

# Nima Karami

REACT DEVELOPER · DESIGNER · UNIVERSITY OF WATERLOO · FINANCE ENTHUSIAST · RECREATIONAL ATHLETE

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"Be thankful for what you have; you'll end up having more."

## Summary

### Web Development

### Data Science

### UX/UI Design

React · Javascript · HTML · CSS · Express.js · Firebase · Material UI · Bootstrap · Node.js · REST API · Git

Python · Jupyter · Open CV · Numpy · Pandas · Matplotlib · Pillow · Pinescript · Backtrader

Figma · Illustrator · Photoshop · InDesign

## Work Experience

### Freelance

Frontend Developer

Toronto, CA

Jan. 2022 - Present

- Built a fully functional ecommerce web app from the ground up using **React.js**, **Redux.js**, **Firebase**, and **Stripe**.
- Developed a single-page portfolio website for a social media marketing manager using **React JS**, **Tailwind CSS**, and **React Router**.

### Functionland

UI/UX Designer

Toronto, CA

Nov. 2021 - Apr. 2022

- Designed and wireframed an innovative customer-centric **User Interface** for fx.land website using **Figma** and **Photoshop**.
- Managed** and **supervised** the production of media including ten photos, three videos, and six 3D animations in an **Agile** environment.
- Collaborated with the **front-end** development team to implement the website using **Svelte**.

### Diamond Schmitt

Architectural Staff

Toronto, CA

Jan. 2021 - Apr. 2022

- Utilized an **evolutionary algorithm** to **optimize** tower placement and geometry.
- Automated** the building shadow impacts analysis and **simulation** reports generation process, reducing the time required from 32 hours to 2 hours.
- Developed an **algorithm** to maximize daylight access while minimizing heat loss in high-rise residential buildings.

## Projects

### Smart Brain

<https://nk-smart-brain.herokuapp.com/>

Toronto, CA

Jul. 2022

- Programmed a **React.js** face recognition website, a **backend** server with **Node.js** and **Express.js**, and a **PostgreSQL** database that communicate with each other and **Clarifai** **restful API** face recognition model using **JSON**.

### Hero Friends

<https://nima-karami.github.io/herofriends/>

Toronto, CA

Jun. 2022

- Designed a website showcasing 700+ superheroes and supervillains using **React.js** and **REST API**.

### Hiroshi Pixels

<https://nima-karami.github.io/Hiroshi-Pixels/>

Toronto, CA

May. 2022

- Designed and engineered an interactive **computer-generated art** using **HTML5**, **Javascript** and **CSS3**.
- Used **DOM Manipulation** to adjust the color, shape, and resolution of the generated art.

### Waste-Stacked

<https://github.com/nima-karami/Waste-Stacked/>

Toronto, CA

Jan. 2019 - Jun. 2020

- Developed an **on-line 3D packing algorithm** for an unsorted set of irregular components.
- Deployed a **rigid-body physics simulation** to validate the stability of compression-only structures.

### Cybrid Serenade

<https://github.com/nima-karami/Cybrid-Serenade/>

Toronto, CA

Jun. 2019

- Developed a proof-of-concept for the application of **affective technologies** in architecture.
- Implemented and trained a **machine-learning** algorithm to detect emotions and **facial expressions** using **Open CV**.

## Education

### University of Waterloo

FACULTY OF ENGINEERING, MARCH

Waterloo, CA

Sep. 2018 - Oct. 2020