

EDUCATION

Yale University - Master's Degree

Architectural and Building Sciences/Technology | 2013 - 2016

- Dilworth Scholarship For Outstanding Design & Academic Performance.
- David Schwarz Fellowship (Awarded based on portfolio and proposal).

University of Tehran - Bachelor's Degree

Architectural Engineering | 2008 - 2013

- 1st entrance rank (Class of 2013) + Member of Exceptional Talents (Top 5% GPA).
- 99.999 percentile for mathematics/physics National Exam in Iran (300,000 participants)

Self-Study

Computer Science & Web Development | 2018 - Present

- App Academy Open: 1,500 hour full-stack web development bootcamp curriculum.
- MIT OpenCourseWare: 6.001 (CS & Programming in Python), 6.002 (Computational Thinking & Data Science), 6.006 (Intro to Algorithms), 6.046 (Design & Analysis of Algorithms).
- Coursera: Stanford Algorithms Specialization, UC San Diego Interaction Design Specialization.
- FreeCodeCamp Certifications: JavaScript Algorithms and Data Structures, Frontend Libraries, APIs and Microservices.
- Udacity: Intro to Machine Learning (Python + Scikit Learn).

SKILLS

Python, JavaScript, SQL, React, Redux, Node.js, Ruby on Rails, Git, HTML, CSS

EXPERIENCE

WRNS Studio - Architect

San Francisco | Nov 2018 - Present

- Developed design and technical detailing for large-scale architectural projects.
- Built scripts and workflows using Python, Dynamo, and Revit API to automate program optimization, transfer data, and perform complex 3D modeling/technical coordination.

Perkins Eastman Architects - Architectural Designer

San Francisco | Jun 2017 - Nov 2018

- Developed VR model using Lumion and Enscape for the Stanford Medical Campus.
- Coordinated consultants & supervised critical path of the New Stanford Hospital construction.

M-Rad Inc. - Designer

Los Angeles | Jun 2016 - Jun 2017

- Managed design/development of high-end residential project in Los Angeles.

PROJECTS

Tweet Streamer

[live](#) | [github](#)

NodeJS | PostgreSQL | PostGIS | Sequelize | WebSockets | React

- Website displaying live stream, sentiment analysis, & weekly history of worldwide tweets.
- Engineered pipelines to process ~5 million tweets/day & push to clients over websockets.
- Leveraged cron routine to store hourly geospatial aggregates.

Lake Hopper

[live](#) | [github](#)

Ruby on Rails | PostgreSQL | React | Redux | MapBox | Material UI

- Web app for backpackers to save trips with routes, photos, notes & activity analysis.
- Built .tcx file parser to extract trip information from smartwatch.
- Enabled custom route creation through MapBox GL and Google Maps API.

Covid Killer

[live](#) | [github](#)

JavaScript, HTML Canvas

- 2D Game simulating the spread of a virus based on controlled parameters.