

# KIANA HOSSEINI

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[kianahosseini.com](http://kianahosseini.com) | [github](https://github.com)

## EDUCATION

Yale University - Master's Degree  
Architectural Sciences and Technology | 2013 - 2016

- Dilworth Scholarship For Outstanding Design & Academic Performance.
- David Schwarz Fellowship (Awarded based on portfolio and proposal).
- Thesis Project: computational design @ Zaha Hadid Studio: Coded an entire tower using Python, Rhino, and Grasshopper.
- T.A. for Computational Design/Fabrication + Planning/Development.

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).

## SKILLS

Development: Python, JavaScript, SQL, React, Redux, Node.js, Ruby on Rails, HTML, CSS  
Design: Illustrator, InDesign, Photoshop, Figma, Rhino, Grasshopper, Keyshot

## EXPERIENCE

WRNS Studio - Architect  
San Francisco | Nov 2018 - Present

- Built scripts and workflows using Python, Dynamo, and Revit API to automate program optimization, transfer data, and perform complex 3D modeling/technical coordination.
- Developed design and technical details for large-scale projects including tech campuses, educational facilities, and masterplan schemes (SD, DD, and CD phase).

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 and 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 projects in Los Angeles.

## PROJECTS

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 route creation through MapBox GL and Google Maps API.

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.

Covid Killer [live](#) | [github](#)  
JavaScript, HTML Canvas

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