KIANA HOSSEINI

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kianahosseini.com | github

EDUCATION

Yale University - Master's Degree
Architecture | 2013 - 2016

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

University of Tehran - Bachelor's Degree
Architecture | 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

· Developed scripts and workflows using Python, Dynamo, and Revit API to automate program optimization, transferring data, and complex 3D modeling/coordination.
· Designed and developed projects including educational facilities, tech campuses/offices, and masterplan schemes, from schematic design through complete construction documents.

Perkins Eastman Architects - Architectural Designer
San Francisco | Jun 2017 - Nov 2018

· Developed VR model using Lumion and Enscape for the Stanford Medical Campus.
· Supervised critical path of the $2 Billion New Stanford Hospital construction, while collaborating with client reps, consultants, and contractors.

M-Rad Inc. - Designer
Los Angeles | Jun 2016 - Jun 2017

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

PERSONAL 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 and Google Maps API.

Tweet Streamer
live | github
NodeJS | PostgreSQL | PostGIS | Sequelize | WebSockets | React

· Web app 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 (just for fun)
live | github
JavaScript, HTML Canvas