Amit Schechter

www.meetamit.com
Based in Brooklyn, NY

Profile

Expert front-end **designer-developer** with 20+ years of experience crafting **data-rich UIs** and **visualizations** for the web. Former cofounder and **technical manager** of a 10-person software agency, experienced with hiring, mentoring, business development, project planning and DevOps. As an individual contributor, can serve as a one-person design+build "team", **conceptualize** and **prototype** products, tackle **complex programming** challenges, iterate fast by designing in code and produce compelling user experiences.

Experience

AI×UX Product Developer — Self Employed   July 2023-Present

Conceptualizing and building **AI-powered apps** that generate rich interactive graphics and visualizations by leveraging LLMs and related techniques (RAG, programmatic processing and execution of LLM-generated code, agentic workflows, fine-tuning). Highlighted projects:

> **Geometry & Math Generator:** Developed a framework to render diverse mathematical and geometric diagrams using simple configuration and constraints, then trained an LLM to generate novel geometry problems, including concept-specific exercises like angle inference or algebraic geometry. See project»

> **Decision-Making Calculator:** Created an LLM-powered platform capable of dynamically building interactive, multi-paramater scenario-modeling calculators (similar to NY Times's "Rent vs. Buy" tool), enabling users to rapidly input assumptions and quantify potential outcomes. See project»

Senior Vice President, Data Science — Lazard Asset Management   NYC   2018-July 2023

Within a multi-disciplinary team of data scientists, financial analysts and portfolio managers, served as **the creative director**, **architect** and **front-end developer** of all of the group's UI and visualizations, notably Wireframe — Lazard's platform for **AI-based portfolio construction**. Built highly **configurable interfaces** that chain and orchestrate a multitude of algorithms for searching through and ranking thousands of companies and visualize their varied outputs, e.g. hierarchical and networked graphs, NLP analyses, backtesting simulations, and datasets like GICS, NAICS, SEC filings, and dense geospatial information. The **distinctive look & feel** of the application and its clear **data-driven explanations** lead to major improvements in the group's branding, client engagement, and reputation as industry-leading in quantitative finance. Technologies used: React, d3, Node.js, Observable notebooks, Basecamp, Azure. See project»

Co-Founder and Technical Director — TWO-N   NYC   2012-2018

Cofounded this award-winning data visualization agency specializing in the design and development of **bespoke data-driven graphics**, **tools** and **narratives**. As technical director, oversaw or directly executed every phase of every project completed by the studio, from **client acquisition** through **prototyping and design development** to final delivery. Worked with a wide variety of datasets and domains (financial, advertising, demographic, geospatial, linked/hierarchical) and clients including Bloomberg LP, NYSE Euronext, WisdomTree, IHS Markit, Pensions & Investments, IPG Mediabrands, Athenahealth. Technologies used: React, d3, Node.js, WebGL, jQuery, AWS, Heroku. See projects: 1» 2» 3» 4» 5» 6»

Full Stack Developer — Intersect   Seattle, WA   2008-2012

Lead front-end on a 6-person dev team (while also working across the stack), to help build a social media platform for sharing life stories enriched with metadata (time & place), user-uploaded images, timelines and maps. Technologies used: HTML+CSS+JS, Ruby on Rails, PostgreSQL, Google Maps API.

Part-time Faculty — Parsons School of Design   NYC   2006-2008

Taught two undergraduate courses: **Intro to Broadcast Graphics** using 3D modeling and real-time rendering tools by VizRT; and **ActionScript Programming with Adobe Flash**.

Product Developer, New Technologies — SIAC/NYSE Euronext   NYC   2000-2007

Within the New Technologies group, designed and built UIs for internal and external -facing apps, including NYSE's market visualization platform, with 3D models of its trading floor, a bid/ask order book viewer, and graphical tools for monitoring backend systems.

Education

University of Illinois at Urbana-Champaign — BSAS Architecture   1999
Additional coursework: Computer Science, Graphic Design, 3D Modeling & Rendering

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Additional Skills & Accomplishments

Courses completed on Coursera: **Intro to Machine Learning**, Stanford (2013); **Data Structures & Algorithms**, Stanford (2014); **Time-Series Analysis**, Stony Brook Univ (2021).

Over **25k reputation** points on **StackOverflow**, mostly gained by answering questions about **d3.js**, **SVG**, **HTML** and **CSS**. Co-host of the **NYC D3 Meetup**.

Multi-instrumentalist (piano/keyboard and accordion) with digital **audio production** experience

Work samples available at **www.meetamit.com**; references available upon request