Geoffrey Yang

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HIGHLIGHTS

- Senior full stack engineer building in TypeScript, JavaScript, and Python.
- Experienced with modern technologies like React, Redux, Node, AWS, and Docker.
- Former finance practitioner - Leveraged Loans, High Yield, CLOs, Distressed Debt.

EXPERIENCE

Element22, *Software Developer* New York, NY   March 2021-Present
- Core developer on a small, highly productive team building enterprise data management applications.
- Full stack experience in all aspects of the app, from building React components to api engineering to data modeling.
- Highly skilled in working with product managers, clients, and users - drawing on previous finance and management consulting experience.

Element22, *Senior Technical Associate* New York, NY   June 2018-February 2021
- Management consultant at a boutique consultancy specializing in data advisory. Acted as project lead on data management initiatives for capital markets, insurance, and asset management organizations.
- Led multi-year program establishing enterprise data management capabilities for a large wealth management client. Designed the strategy, operating model, and roadmap for this initiative, as well as built custom software applications that bridged to full-scale enterprise tools (a data asset catalog with demand management features and a metadata collaboration application).
- Authored new cross-business data models to bridge user and account data across siloed businesses.

Debtwire, *Product Manager* New York, NY   March 2011-February 2017
- Led development of a corporate loan and bond data product that successfully grew into a standalone subscription product.
- Built the internal tooling to manage product's data with Postgres, Javascript, and Express.
- Regularly authored research and analysis on corporate capital structures and bankruptcy situations.
- Performed all business intelligence for the group, building reporting tools in Python to analyze web traffic and productivity metrics.

BNP Paribas, *CLO Origination & Asset Securitization Analyst* New York, NY   March 2006- November 2007
- Analyst on the bank's ABS/CDO/CLO origination desk – helped customize the group's performance prediction model in VBA - priced the bank's first CLO structure in North America.
- Focused on creating cash CLO structures - sizing tranches and setting performance triggers to meet ratings agency criteria as well as investor needs for return; presented structure in risk control group meetings to gain approval for business.
- Tracked monthly performance of auto, trade and CDO/CLO securitizations purchased into group's asset-backed commercial paper conduit.
- Performed loan level credit analysis on pools of residential mortgages and corporate high yield debt, projected asset cash flows and cumulative default risks using structuring models.
- Provided analysis for hedging outstanding leveraged loan balances when credit markets soured in 2007.

PROJECTS

Hospitalprices.info (Flask, SQLAlchemy, React, Redux, Docker)   [Github]
- A fast and responsive full stack data asset that tracks pricing of hospital services and procedures.
- Application design relies heavily on a fast Redux store to manage all rendering logic, resulting in a centralized and organized codebase.

EDUCATION

Carnegie Mellon University, *Bachelor of Science* Pittsburgh, NY