# Samuel Ho

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## PROJECTS

### Audiospace

#### Full Stack Engineer

* An audio plugin and sample pack marketplace utilizing Typescript, NextJs, MySQL, Stripe, and AWS S3 & SDK.
* Custom headless CMS implementation, rich text editor with MDX, and integrated email pipeline leveraging Sendgrid.

### Swapesy

#### Full Stack Engineer

* Lead an agile team of engineers in the successful development and launch of a full-stack trading card ecommerce app utilizing React Native and Firebase, with tests using Jest and version control with Git.
* Developed a mobile app marketplace catering to trading card enthusiasts, featuring seamless buying, trading, offer-making functionalities, and social features like private messaging.

### Market Analysis GPT

#### Back End Engineer

* Developed an API to leverage GPT’s ability as a language model to process news articles sourced from free API’s and online articles in specified date ranges for sentiment analysis about a given industry.
* Utilized Python and libraries/apis such as BeautifulSoup to scrape article information, yfinance, and news api for source material.

## EXPERIENCE

### Full Stack Engineer

#### Freelance December 2022 – Present | Los Angeles, CA

* Built and maintained full stack web applications and RESTful API endpoints for ecommerce stores utilizing Typescript, React, NextJs, Node.js, Express, MySQL, and Postgres.
* Developed marketing pipelines and tooling, most notably a discord interface to manage SMS marketing and subscribers currently used by 100 musicians and event producers in Los Angeles leveraging Node.js, Typescript, Sendgrid, Twilio SMS, Postgresql, and Knexjs.

### Analyst

#### COACH New York April 2021 – June 2022 | New York, NY

* Managed the P&Ls for multiple business units, including Bags, Ready to Wear, Footwear, Photo Studio, and Merchandise, under Coach Design & Global Marketing. Collaborated with the design teams to develop and implement cost-saving initiatives.
* Present cost flows to track cost initiatives and report supply chain/financial headwinds and cross department breakdown of P&L per category to track gross margin across multiple business units.
* Utilized command line interfaces to manipulate CSV databases for ad hoc analysis and reporting.

### Corporate Banking Analyst

#### PNC Bank March 2020 – April 2021 | Philadelphia, PA

* Completed the PNC Formal Credit Training program, encompassing corporate lending, financial modeling, valuation, and sales & product training.
* Leveraged analytical skills to conduct rigorous due diligence on potential secured credit commitments and managed company risk profiles.
* Utilized and interpreted historical performance trends, cash flow strength, collateral coverage, and private equity sponsor involvement, to calculate key profitability and leverage indicators such as free cash flow, unfunded Capex, and estimated fixed charge coverage ratio.

### Financial Analyst

#### Autism Learning Partners March 2019 – March 2020 | Pasadena, CA

* Assisted senior corporate finance analysts in preparing internal monthly operational reports for use by company executive and private equity sponsor group. Reporting breaks down and summarizes key performance indicators and company financials by region for comparison between actual vs. budgeted figures.
* Created databases and VBA macros to provide data manipulation scripts for analysis and effectively decreased turnaround time for reporting/analysis by 2 days.

## EDUCATION

### Software Engineering | Hack Reactor | 2023

### **B.A. in Economics | UC Santa Barbara** | Santa Barbara, CA | 2016 - 2018

## SKILLS

### Language: Typescript, JavaScript, Python

### Databases: MySQL, Postgresql, SQLite, Redis, Mongodb, Firebase

### Tools/Frameworks: React, NextJs, Node.js, Git, AWS Microservices (EC2, S3, Lambda), FastAPI, VBA, Excel