Jules Berman

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Based in New York, can relocate or remote

Education

New York University   *Graduated May 2017*
  B.S. Computer Science *cum laude*
New York University   *Current, part-time*
  M.S. Mathematics

Core Proficiencies
  - Javascript, Typescript, Go, Python, SQL
  - React, Redux, Node.js, Postgres

General Experience
  - C++, Java, NumPy, D3.js, Matlab, GCP

Software Engineer at Bloomberg LP   *March 2018 - current*

Capital Budgeting Team
  - Maintained the full stack of a company-wide infrastructure catalog and budget management web application.
  - Used React to rewrite our entire frontend for the web. Built complex user workflows with a strong emphasis on reusability of components and scalability to additional feature requirements.
  - Built and scaled backend micro-services written in Go which provided CRUD operations through a REST API for our frontend and internal customers.
  - Designed and built a backend validation engine which ensured our application's data adhered to a complex set of rules regarding data consistency and integrity.
  - Took ownership of full development lifecycle for numerous key features. This included gathering requirements from end users, mocking up workflows and ultimately building and delivering a completed product.
  - Worked using Agile methods with a focus on understanding and delivering on customer needs.

JustPoker Web Application   *Spring 2020*
  - Cofounded JustPoker (*https://justpoker.games),* a web application which allows users to play poker for fake money in a live shared online room in browser.
  - Designed and implemented frontend in React, complete with user customization, live chat, audio, complex animations and responsiveness across all screens and devices.
  - Built a backend system using Typescript and Node.js which computes the game state and manages the concurrent gameplay of thousands of users through Websockets.
  - Deployed application over horizontally scaled architecture on Google Cloud Compute.

Freelance Web Developer   *April 2016 - March 2018*
  - Worked as a freelance frontend web developer, creating websites for numerous independent clients. Assignments ranged from personal websites to interactive applications built for artists.

Software Developer Intern at Born Gallery   *Feb 2017 - Sept 2017*
  - Maintained and updated customer facing website for online based gallery.
  - Wrote python scripts which gathered and analyzed data from online art database APIs.

Deep Learning Project   *Jan 2018*
  - Built a small deep learning library in python which allows for the creation and training of arbitrarily deep neural networks.
  - Implemented features such as Batch Normalization, Dropout, RSM-prop, and ADAM.