MASON PORTER-BROWN
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Experience

2022-Present **QUANTCAST**   **San Francisco, CA & New York, NY**

Advertising Technology Company

Full Stack Software Engineer

Activation Team
- Lead developer on projects introducing audience targeting products to the Quantcast self-serve platform
- Worked in all layers of the stack utilizing: React, TypeScript, Redux, GraphQL, and Java

Forecasting Team
- Currently working to provide a suite of visualization tools that customers can utilize, exposing data via API calls with custom built components

Education

2019-2021 **BARD COLLEGE**   **Annadale-On-Hudson, NY**

BA (Computer Science)
- 4.0/4.0 GPA in all Computer Science Courses (Discrete Math, Data Structures, Programming Nature, Design of Programming Languages, Algorithms, Games System, OOP)

2017-2019 **THE CITY COLLEGE OF NEW YORK**   **New York, NY**

BA (Sonic Arts Program)
- The study of audio technology led me to investigate the construction of a hearing aid software based on the harmonic series

Projects

2021 **MONGODB OPTIMIZATIONS**

Undergraduate Senior Thesis
- Augmented MongoDB to utilize a PostgreSQL cache which allowed for the optimization of total query time via the cached resource
- Meaningfully improved MongoDB performance through the avoidance of unnecessary live dataset queries

2020 **SCHEME INTERPRETER**

Design of Programming Languages Final Project
- Built a Scheme interpreter using Swift and achieved full Scheme language paradigm coverage including closure functionality

Technical

- **Languages:** JavaScript, TypeScript, Java, Python, Swift, Scheme, Lua
- **Development tools:** VSCode, IntelliJ, GIT, TIC80
- **Other:** React.js, HTML, CSS, Redux, GraphQL, Gradle, Maven, Node.js, MongoDB, Postgres, ThreeJS, Express, Max/MSP