

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 user-facing initiative to create audience targeting products on the Quantcast self-serve platform
 - Worked across 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 CS 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 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, PostgreSQL, ThreeJS, Express, Max/MSP