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## Experience

- 2022-Present **QUANTCAST** **San Francisco, CA & New York, NY**  
Advertising Technology Company  
*Senior Software Engineer*  
**Forecasting Team**
- Developed a new Java RPC backend API system to supply real-time forecasting data, enabling detailed visualization of audience demographics, interests, devices, and web behaviors on the user-facing platform
  - Built and integrated front-end UI using React and GraphQL, delivering a dynamic and responsive interface that allows users to visualize and interact with forecasting data in real time
  - Designed and currently implementing an accuracy testing framework for forecasting features, creating comprehensive metrics to identify API performance gaps and improve forecasting precision
  - Establishing feedback loops for machine learning models, leveraging accuracy testing results to refine predictive capabilities for ad set and campaign metrics
- Activation (Targeting) Team**
- Lead Developer for audience targeting features, spearheading the development and implementation of product-facing functionalities to enhance user targeting capabilities
  - Revamped data pipeline to support new audience segment targeting capabilities, ensuring robust, scalable, and efficient data processing
  - Coordinated cross-functional releases, collaborating closely with the Modeling and Fees teams to synchronize the launch of new features and ensure seamless integration across platforms

## 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 hearing aid software based on the harmonic series

## Technical

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