# CHRISTOFORUS J. BENVENUTO

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## EXPERIENCE

**Staff Engineer II**                                          2020 - Present
HBO                                                            Seattle, WA

Tech Stack: Typescript, Javascript, React, Java, Swift
- Collaborate with design and product partners to build the user interface components for intuitive and responsive video playback across mobile, desktop, Chromecast, smart televisions, and gaming consoles.
- Own the entire video user experience for millions of HBO Max customers, including core player interface and multi-language support while also improving its quality of experience via telemetry and data analysis.

**Software Engineer II**                                       2019 - 2020
Twitter                                                        Seattle, WA

Tech Stack: Typescript, Javascript, React, Scala, Thrift, Angular, Ruby
- Engineered a suite of tools to manage, authorize, and troubleshoot accounts; moderate user-generated contents; and ensure compliance with applicable laws.
- Drove the effort in extending and plumbing existing services to support new type of contents projected to increase users' conversions and engagements.
- Consolidated legacy services into faster and user-friendlier services, resulting in at least doubled users' efficiency and improved development velocity.

**Software Engineer II**                                       2016 - 2019
Groupon                                                        Seattle, WA

Tech Stack: Javascript, Preact, Backbone, Node, Java, SQL
- Developed customer-facing websites serving more than 2 million daily requests.
- Built a customer-facing third-party integration interface, enabling the company to onboard partner estimated to bring in $10.6 million annually.
- Architected integrations with multiple third-party services in order to reduce friction for merchants, resulting in estimated annual net operating balance increase of $3.0 million.
- Led team in migrating services to multiple data centers for better resilience.

## EDUCATION

| **M.S. in Computer Science** | **B.S. in Applied Mathematics** |
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| Northeastern University | University of Washington |

## PUBLICATIONS

**Galois Field in Cryptography**                                      2012
This paper introduces Galois Field and its implementation in storing data. It shows and helps visualize how storing data in Galois Fields allows for more manageable and more efficient data manipulation, where it focuses mainly on application in computer cryptography.