

# GIANFRANCO BIONDI JR.

## 10+ Years of Engineering Excellence and Leadership

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## MOST RELEVANT EXPERIENCE

### Co-Founder & CTO

#### Swap Health

📅 Sep. 2021 – Sep. 2023 📍 Jersey City, NJ

- Designed and built Google Chrome Extension to help users grocery shop online
- Managed team of four engineers to develop a react-native mobile application
- Built crawlers and PostgreSQL database for grocery products
- Built core technology API to identify and recommend grocery products
- Ensured HIPAA Compliance
- Collaborated in building business plan, product roadmap, and pitch deck
- Instrumental in fundraising effort, from angel investors to established venture capital firms (25M Health)

### Staff Software Engineer & Technical Lead

#### Walmart Labs/Jet.com

📅 Apr. 2018 – Sep. 2021 📍 Hoboken, NJ

- Work on internal experimentation (A/B Testing) platform (Expo)
- Led effort to convert system from Lua-based edge workers to micro-service platform to work with Envoy Proxy
- Led research for next-gen experimentation engine using WASM and Istio service mesh for all of Walmart
- Designed and Implemented GitOps System for Experiment Self-Service
- Led design and implementation for global distributed trace header for all of Walmart E-Commerce
- Led effort in converting Lua & C system to full micro-service platform with Envoy Proxy via custom HTTP Filter

### Network Security Software Engineer

#### DoubleVerify

📅 Mar. 2016 – Apr. 2018 📍 New York, NY

- Led a small R&D team for Publisher Platform
- Researched protocol-level and browser-level, advanced ad measurement and delivery techniques
- Implemented prototype on-the-fly JavaScript static analyzer
- Helped build next-gen data pipeline for real-time impression measurement, real-time bidding, and social integration
- Optimized large SQL used in Vertica Data Warehouse

## MOST PROUD OF



### Built a Start-up

Jersey City, 2021



### Dean's List

Rochester Institute of Technology,  
2006-2010



### ASEE SMART Scholarship

Dept. of Defense, 2008-2012

## STRENGTHS

Executive Presence

Hard-working

Detail Oriented

Leader & Motivator

Effective Communicator & Collaborator

Fast Learner

Team Player

Mentoring

Golang

C/C++

Java

Linux

SQL

Python

Scala

F#

Javascript

Typescript

React

Kafka

Docker

Kubernetes

MongoDB

Lua

Vim

OSS

Envoy Proxy

Istio

nginx

gRPC

Protobuf

GraphQL

Web Assembly

Distributed Systems

Raspberry Pi/Arduino

Statistical Analysis

Circuit Analysis

Autodesk Fusion 360

3D Printing

Circuit Fabrication

Embedded Systems

LaTeX

## EDUCATION

### B.Sc. Computer Engineering

#### Rochester Institute of Technology

📅 August 2012

### M.Sc. Computer Science

#### Georgia Institute of Technology

📅 Expected December 2024

# PUBLICATIONS

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## Conference Proceedings

- T. Grandahl, G. Biondi, and C. Hochgraf, “An open hardware, open source electronic load bank and data acquisition system for expanding the number of schools and students researching battery energy storage,” in *2011 ASEE Annual Conference & Exposition*, <https://strategy.asee.org/17478>, Vancouver, BC: ASEE Conferences, Jun. 2011.

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## Blog Posts

- G. Biondi, *Interfaces in go*, [Online; posted 11-March-2016], Mar. 2016. [Online]. Available: <https://medium.com/@gianbiondi/interfaces-in-go-59c3dc9c2d98>.
- G. Biondi, *Choosing grpc*, [Online; posted 6-August-2015], Aug. 2015. [Online]. Available: <https://medium.com/namely-labs/choosing-grpc-5089154e1ad1>.
- G. Biondi, *Syncing cache with postgres*, [Online; posted 8-September-2015], Sep. 2015. [Online]. Available: <https://medium.com/namely-labs/syncing-cache-with-postgres-7a4d78cec022>.