

GIANFRANCO BIONDI JR.

Engineering and Computer Science

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EXPERIENCE

Co-Founder & CTO

Swap Health

September 2021 – September 2023 Jersey City, NJ

- Designed and built Google Chrome Extension to help users grocery shop online
- Worked with and Managed contractors to build a mobile application
- Built analysis and recommendation engine system to identify and recommend grocery products
- Responsible for all compliance of platform

Staff Software Engineer & Technical Lead

Walmart Labs/Jet.com

April 2018 – September 2021 Hoboken, NJ

- Work on internal experimentation (A/B Testing) platform
- Lead effort to convert Lua & C nginx system to full micro-service platform to work with Envoy Proxy via custom HTTP Filter
- Designed and Implemented GitOps System for Exp. Creation
- Lead research for next-generation assignment engine using WASM and Istio service mesh for all of Walmart GM and Grocery
- Lead design and implementation for global distributed trace header for all of Walmart E-Commerce

Network Security Software Engineer

DoubleVerify

March 2016 – April 2018 New York, NY

- Lead 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 SQL for reports from Vertica SQL Data Warehouse

Software Engineer

Namely

December 2014 – March 2016 New York, NY

- Helped re-architect ruby monolith into containerized Golang micro-services

MOST PROUD OF



Dean's List

Rochester Institute of Technology, 2006-2010



ASEE SMART Scholarship

Dept. of Defense, 2008-2012

STRENGTHS

Hard-working Organized
Detail Oriented Motivator & Leader
Fast Learner Mentoring

Golang C/C++ Java Linux SQL
Python Scala F# Javascript/React
Kafka Docker Kubernetes MongoDB
Lua Vim OSS Envoy Proxy Istio
nginx GraphQL Web Assembly TeX
Embedded Systems Distributed Systems
Raspberry Pi/Arduino Statistical Analysis
Circuit Analysis 3D Printing
Autodesk Fusion 360 Circuit Fabrication

EDUCATION

B.Sc. Computer Engineering

Rochester Institute of Technology

September 2006 – August 2012

M.Sc. Computer Science

Georgia Institute of Technology

March 2020 – Present

PUBLICATIONS

Conference Proceedings

- Tyler Grandahl, Gianfranco Biondi and Clark Hochgraf (June 2011). “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*. 10.18260/1-2-17478. <https://strategy.asee.org/17478>. Vancouver, BC: ASEE Conferences.
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Blog Posts

- Biondi, Gianfranco (Mar. 2016). *Interfaces in Go*. [Online; posted 11-March-2016]. URL: <https://medium.com/@gianbiondi/interfaces-in-go-59c3dc9c2d98>.
- – (Aug. 2015a). *Choosing gRPC*. [Online; posted 6-August-2015]. URL: <https://medium.com/namely-labs/choosing-grpc-5089154e1ad1>.
- – (Sept. 2015b). *Syncing Cache with Postgres*. [Online; posted 8-September-2015]. URL: <https://medium.com/namely-labs/syncing-cache-with-postgres-7a4d78cec022>.