# GIANFRANCO BIONDI JR.

#### **Engineering Excellence and Leadership**



Newark, NJ, United States





### **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 contractors to build a mobile application
- Built core technology API to identify and recommend grocery products
- Ensured HIPAA Compliance
- Collaborated in building business plan 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

#### vvaimart Labs/Jet.Com

- 📋 Jan. 2020 Sep. 2021
- Hoboken, NJ
- Led effort to convert system from Lua-based edge workers to full micro-service platform to work with Envoy Proxy
- Led research for next-gen assignment engine using WASM and Istio service mesh for all of Walmart GM and Grocery
- Designed and Implemented GitOps System for Experiment Creation
- Led design and implementation for global distributed trace header for all of Walmart E-Commerce (OpenTelemetry)

# Senior Software Engineer

#### Walmart Labs/Jet.com

- 🗖 Apr. 2018 Jan. 2020
- Hoboken, NJ
- Worked on Jet.com internal experimentation (A/B Testing) platform (Phaser)
- 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 SQL for reports from Vertica SQL Data Warehouse

## **MOST PROUD OF**

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Built a Start-up

Jersey City, 2021

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Dean's List

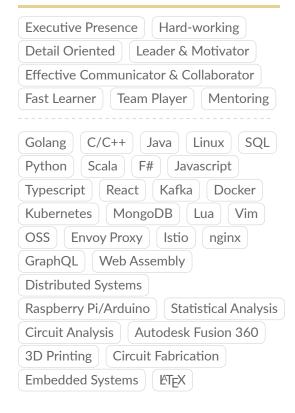
Rochester Institute of Technology, 2006-2010

**P** 

**ASEE SMART Scholarship** 

Dept. of Defense, 2008-2012

# **STRENGTHS**



## **EDUCATION**

B.Sc. Computer Engineering Rochester Institute of Technology

📋 September 2006 – August 2012

M.Sc. Computer Science Georgia Institute of Technology

March 2020 - Ongoing

# **PUBLICATIONS**

# **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.

### **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.