

# Matthew M. Landers

[matthewlanders10@gmail.com](mailto:matthewlanders10@gmail.com) • (201) 417-6700 • New York, NY  
[linkedin.com/in/mattmlanders](https://www.linkedin.com/in/mattmlanders) • [www.mattlanders.net](http://www.mattlanders.net)

## Professional Experience

---

Software Engineer & Consultant                      **Stride Consulting**                      NYC, NY 2017 – 2019

Schonfeld: Hedge Fund (2017-2019)

- Engineered stateless Python services and stateful Java services to process billions of dollars in daily trades
- Improved system latency from 1.1 seconds to 15 milliseconds and reduced system recovery time from 2 hours to less than 5 minutes by changing data transfer method from HTTP to Kafka

Magnetic: Advertising Management Platform (2017)

- Rebuilt client's core platform, growing monthly recurring revenue from \$1,000,000 to \$6,000,000
- Built Python microservices that allowed users to edit each component of an online advertisement including audience definition, budget management, and media creation
- Engineered service to place created content on various advertising networks

2U: Online Learning Platform (2017)

- Built translation layer to facilitate communication between new backend services and decade-old system
- Architected frontend feature that auto-saved user-entered data
- Designed method to store user-uploaded documents to Amazon S3 buckets

Data Structures Course Assistant                      **Johns Hopkins University**                      2018 – 2019

- Explained challenging quantitative and conceptual theory to 20 students per semester in a graduate-level class
- Evaluated homework and labs to assess student comprehension and provided feedback to address errors

Software Engineer                      **Human API**                      San Francisco, CA 2016 – 2017

- Worked with data science and product teams to build integration solutions for 40+ customers
- Engineered custom products for 30+ clients including a user health timeline for Samsung
- Devised a partnership plan with executives from Merck Germany

Co-Founder & CEO                      **Stonecrysus**                      NYC, NY 2013 – 2016

- Developed a machine learning health platform that earned 4 United States patents
- Presented 3 times to groups of 300+ people, including CES
- Negotiated with organizations including Samsung, Amazon, the US Olympic Committee, and Dixons
- Designed and built web platform that allowed health practitioners to access and analyze patient data

Co-Founder & President                      **Synduit**                      Englewood, NJ 2012 – 2013

- Grew monthly recurring revenue from \$0 to \$100,000+ in less than 1 year with a team of 2 people
- Drove profit margin to 80% by overseeing the construction of an online workflow automation platform
- Managed 12 employee team while building client base to 120+ businesses

## **Research**

---

### **A Novel Metric for Cardiovascular Health**

2019 – Present (paused due to COVID-19)

- Received \$60k in funding from a recognized hospital in NJ to work with 20 participants over a 90 day period
- Primary objective was to determine whether our machine learning based measure of fitness was comparable to the standard of care for measurement of cardiovascular fitness – Metabolic Equivalent of Task

## **Patents**

---

- us 9,317,815 - Health and fitness management system - Issued 4/19/2016
- us 9,183,498 - Health and fitness management system - Issued 11/10/2015
- us 8,892,481 - Health and fitness management system - Issued 11/18/2014
- us 8,600,928 - Health and fitness management system - Issued 12/3/2013

## **Education**

---

- Masters of Science in Computer Science, Johns Hopkins University • 2021 (Expected) • Current GPA: 3.91
- Bachelors of Science, Kelley School of Business, Indiana University • 2012

## **Languages and Technologies**

---

- Python, Java, JavaScript, Node, Angular2+
- SQL, MySQL, Docker, AWS, ES6, Agile/XP Methodologies