Ethan Sasiela - Data Scientist

esasiela@gmail.com | (716) 310-2280 | www.linkedin.com/in/ethan-sasiela | www.hedgecourt.com

After an extraordinary 18 year career in Software Engineering and Banking filled with growth and success, I took a break from corporate life to find my new passion. I fell in love with Data Science, went to school earning Master's-level professional certificates from Cornell, MIT, and Berkeley. The biggest thing I miss is being part of a team delivering exciting solutions to complex problems. My customer-centric approach is the perfect complement to Blue Orange's engineer-first model.

Soft Skills

- **Curious and Resourceful** - As a Software Engineer, I tear open black boxes, never satisfied that something simply works without understanding the details. I built random forests, gradient boosted trees, support vector machines, neural networks, and embedded word vectors from scratch before I adopted libraries like Scikit-learn, PyTorch, and SpaCy.

- **Customer Focus** - As a Relationship Manager, I was the face of IT in HSBC North America for our business partners (internal customer), hand picked for the job based on my reputation of putting my customers first using soft skills like empathy and listening.

- **Disciplined Remote Worker** - As an intrinsically motivated person, I produce results that I am proud of out of personal responsibility and joy for solving problems, not because the boss is watching. My last six years at HSBC were entirely remote, working with teams in 53 countries from my home office.

- **Collaboration** - As a Banking Portfolio Manager, I brought together our distributed global team to adopt the product management methodology that I developed. Constant communication and teamwork to unite over 350 members in total.

Technical Skills

- **Any Tech, Any Stack** - I can learn anything anywhere in the stack. Programming languages, frameworks, APIs, algorithms, DBMS, you name it. I've been programming Java and C++ for decades, Python for years. Tons of others, I master new things for fun.
- **Data Science** - Pandas / Scikit-Learn / Numpy / PyTorch / Jupyter / SpaCy
- **Cloud** - Linux / AWS EC2 / Elastic Beanstalk
- **Front End** - Flask / Jinja2 / Bootstrap / JavaScript / CSS
- **Build and Deploy** - Git / Docker
- TwiSent - Twitter NLP sentiment analysis tool (user: BlueOrange, pass: qwerty90)
- www.hedgecourt.com - Personal site for robotics and embedded programming
- github.com/esasiela - GitHub source code repository

Professional Experience

Stock Market Day Trader　　　　　　　**Self-Employed**　　　Nov 2016 - Dec 2018
- Self-employed trading equity stocks on NYSE and NASDAQ exchanges.
- Coding in Java and ThinkScript (TD Ameritrade's trading solution).
- High speed decision making, short term trades lasting minutes or hours.
- Empirical process to manage risk and remove the impact of emotion and distraction.
- Achieved ***35% return***, exceeding S&P 500 return of 14% over the same time period.

Banking Project Portfolio Manager　　　**HSBC Bank**　　　May 2010 - Sep 2016
- Directed IT spending to improve banking products for Global Payments & Cash Management (PCM), a portfolio of hundreds of projects in 53 countries annually.
- Oversaw greater than ***$1.5 billion*** in investments across six years. I set the standard for evaluating business opportunities for the entire Global PCM business unit.
- Wrote the manual for Product Management to ensure standard approach and best practices. Trained ***over 350*** executives and product managers worldwide.

IT Solutions Architect　　　　　　　**HSBC Bank**　　　Jun 2008 - May 2010
- Solutions Architect for US Banking Systems and North American Payment Systems.
- Delivered ***$90 million reduction*** in 2009 tech budget as lead architect.
- Drove US IT to reduce application inventory from 160 to 95 (***41% improvement***).

IT Relationship Manager　　　　　　**HSBC Bank**　　　Jul 2007 - Jun 2008
- Served as the Face of IT to our business partners in Payments & Cash Management (PCM) and Operations across all of North America.
- Managed process improvement effort to reduce new PCM customer setups from 90 days to 14 days, an ***84% reduction*** leading directly to faster revenue growth.

IT Development Manager　　　　　　**HSBC Bank**　　　May 2003 - Jul 2007
- Grew team of direct reports from ***6 to 43*** (including 30 offshore staff in India).
- Implemented single sign on solution enabling delivery of integrations in 3 months (reduced from 9 months, ***67% improvement***).
- Major contributor on the North American Developer Productivity Taskforce, leading to a ***13% increase*** in developer productivity over the trailing two year period.

Senior Programmer / IT Consultant　　　**HSBC Bank**　　　Mar 2001 - May 2003
- Independently designed and developed framework for Java web development, enabling veteran coders with no Java / Unix / web experience to become productive.
- Resulted in explosive growth in our ability to deliver solutions for our business partners in Payments & Cash Management, including personal delivery of ***7 applications***.

Software Engineer   **Various Companies** Aug 1998 - Mar 2001
- Overachieving software engineer hungry to make a difference on every team I am part of.
- Re-engineered Kanoodle.com search engine to grow capacity by over ***1,000% monthly***.
- Delivered over ***20 e-commerce*** sites from concept to production in less than a year.
- Achieved ***88% reduction*** in delivery time (6 months to 3 weeks) for new integrations by building tools for analysts to reuse code and free up engineering resources.

Education

- **Cornell University** - 2019 - Machine Learning
- **Massachusetts Institute of Technology** - 2019 - Machine Learning
- **Berkeley** (edX) - 2019 - Foundations of Data Science
- **University at Buffalo** - 2003 - Master of Business Administration
- **University at Buffalo** - 1998 - Bachelor of Computer Science, full scholarship

Volunteer Work

- **Buffalo Triathlon Club**   2015 - present
  - Currently serving on the Board of Directors
  - Awarded the 2019 Spirit Award
  - Awarded "Volunteer of the Month" in 2017, 2018, and 2019
- **Dog Rescue**   2016 - present
  - Better Days are Coming Dog Rescue, Kindred Hearts Transport Connection
  - Transport, foster, and match rescued dogs with adopting families
- **Snyder Fire Department**   1998 - 2007
  - Volunteer firefighter and emergency medical first responder