

Jonathan Avila

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EDUCATION

UNIVERSITY OF PENNSYLVANIA, SCHOOL OF ENGINEERING | PHILADELPHIA, PA Dec 2018
Candidate for Master of Computer and Information Technology (MCIT) | GPA: 3.87/ 4.00

UNIVERSITY OF PENNSYLVANIA, COLLEGE OF ARTS AND SCIENCES | PHILADELPHIA, PA May 2018
Bachelor of Arts (BA) in Economics, minor in Cognitive Science | GPA: 3.71 / 4.00 | Magna Cum Laude

TRINITY SCHOOL | NEW YORK, NY May 2014
GPA 3.70 / 4.00 | SAT: 800 Math, 800 Writing, 740 Critical Reading

PREP FOR PREP | NEW YORK, NY 2007 - Present
A highly selective leadership development program that incorporates a rigorous 14-month academic component to prepare students for placement in leading independent schools and continues to work closely with them through high school and beyond.

EXPERIENCE

PRODUCT MANAGER INTERN, REDFIN | SEATTLE, WA May – Aug 2018

- Redesigned and improved an agent facing feature, Last Call, to drive new potential buyers for hot homes.
- Lead business launches in new RedfinNow markets, ran A/B experiments on high-traffic property detail pages to merchandise both iBuying + listing businesses and grow overall Redfin contacts + customers.
- Prototyped design and developed product specification for new RedfinNow customer inquiry form with goal of decreasing drop-off of potential customers and generating higher quality contacts.

TEACHING ASSISTANT, UNIVERSITY OF PENNSYLVANIA | PHILADELPHIA, PA Nov 2017 - Present

- Teaching Assistant for CIS 350: Software Design & Engineering.
- Teaching Assistant & Course Developer for ECON224: Statistical Learning and Causal Inference for Economics.

PRODUCT SPECIALIST INTERN, FACEBOOK | MENLO PARK, CA May – Aug 2017

- Supported internal development of products like Facebook Live and Watch on the Product Operations Media Team.
- Designed and built internal toolkit for monitoring bug signal as a quality consultant for engineering and product teams, driving down existing hi-pri issues by 80%, lowering incoming volume by 40%, and reducing fix times to less than 14D.
- Developed H2 2017 Media Engineering strategic plan for improving engineering processes and product launch operations; integrated SQL pipelines with a scalable dashboard to provide teams with consistent dogfooding metrics.

RESEARCH ASSISTANT, THE WHARTON SCHOOL | PHILADELPHIA, PA Jan - May 2017

- Built a panel database of alliances and interactions between 100 F500 Firms and 116 NGOS over 13 years using IRS 1090 forms.
- Developed data collection protocols, text-mined sources and trained other RAs in aggregating inputs from various mediums.
- Analyzed competing trends between for-profit and non -profit organizations via bilateral affiliations and board interlocks.

GLOBAL MARKETING SOLUTIONS INTERN, FACEBOOK | MENLO PARK, CA Jun - Aug 2016

- Created an ROI model for the 43 largest Global Sales Operations clients to determine the true cost of service to Facebook for the past 10 quarters and forecast for future quarters; implemented new incentive strategies to grow future GSO revenue.
- Built a custom SQL database to visualize revenue streams, quantify trends within reseller and agency intersections, and recommend new areas for growth for the Global Ecosystems team by identifying 20+ types of partnerships.

OPERATIONS INTERN, FIRST EAGLE INVESTMENT MANAGEMENT | NEW YORK, NY May- Aug 2015

- Reduced data redundancy by 45% by building document storage system for key contracts and investment agreements.
- Created a standardized system for data indexation; established a system of best practices and standards across the firm.

TECHNICAL SKILLS, CLASSES

Android Studio/ XML (Software Engineering)	Assembly / C / C++ (Computer Systems Programming)
VBA/SQL/ NoSQL (Dev Tools for Data Analysis)	R (Microeconometrics, Statistical Learning)
Python / Pandas/ Spark/ TensorFlow (Big Data Analytics)	Tableau, Excel, Latex, Sketch (Self-taught)
OCaml/ Java (Programming Languages and Techniques)	Spanish (Native), French (Conversational)
Knowledge of statistical forecasting methods, data visualization	Experienced with product design, A/B testing, Agile framework

AWARDS, ACTIVITIES

Hispanic Scholarship Fund Scholar	Consultant of Marketing Undergraduate Student Establishment
Dean's List for the 2015 – 2016, 2016 – 2017, 2017-2018	Secretary and Treasurer Emeritus of Alpha Chi Rho
Member of Cipactli Latino Honor Society	Member of Penn Boxing, Penn Outdoors Club
Harvard Summer Venture in Management 2017 Participant	Professional Development Chair of SHPE Penn Chapter