Giovanni Santia

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WORK EXPERIENCE

Angi   **Mar 2024 – Present**
Software Engineer II

- Automated a manual admissions process, reducing costs for user acquisition by $1+ million annually
- Founded and led a Data Guild to improve collaboration between the analytics, data, and product teams
- Investigated and fixed a broken Segment implementation, restoring 15+% of analytics eventing
- Mastered the legacy codebase for our custom CRM tool, becoming the leading expert at the company
- Delivered talks on data and filled documentation gaps to improve understanding across the organization

Gopuff   **Dec 2021 – Jan 2024**
Lead Engineer

- Architected and implemented advertising rules with Java/TypeScript/React yielding $1+ million in yearly ad revenue
- Directed experimentation of ad products using A/B testing, accounting for 10+% of new ad revenue annually
- Developed and deployed new machine learning models for ad placements, increasing search relevance by 15+%
- Drove meetings including daily standup, sprint grooming/planning, and postmortems, acting as the tech lead
- Designed and constructed data pipelines using Python and SQL which process tens of millions of rows hourly
- Mentored two software engineers, both of whom were promoted within a year

Children's Hospital of Philadelphia   **Feb 2020 – Dec 2021**
Software Engineer

- Built a Django/React application enabling the storage and processing of PBs of genomic data for cancer research
- Engineered new endpoints and expanded functionality for in-house GraphQL and REST APIs, enhancing data access
- Streamlined front-end customer-facing interfaces using React and AWS, increasing responsiveness by 20+%
- Devised novel data models to warehouse incoming data streams, improving ETL times by 25+%
- Set up data pipelines to process heavily unstructured datasets, fully automating a labor-intensive process

TECHNICAL SKILLS

- **Languages**:   Java, Kotlin, TypeScript, JavaScript, SQL, Python, Scala
- **Frameworks:** React, Spring, node.js, nest.js, next.js, Django, Micronaut
- **Technologies**: AWS, Azure, Snowflake, Docker, Kubernetes, Redis, Elasticsearch, Postgres, Kafka, Datadog, Grafana
- **Other**:   API design, A/B testing, microservices, REST, GraphQL, NoSQL, machine learning, data pipelines, CI/CD, distributed systems, data modeling

EDUCATION

Drexel University   **2017 – 2020**
PhD, Machine Learning   Philadelphia, PA
(coursework completed, no degree)

Wayne State University   **2014 – 2016**
MS, Pure Mathematics   Detroit, MI

University of Michigan   **2007 – 2012**
BS, Pure Mathematics and Physics   Ann Arbor, MI