Azariah Beyene

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EDUCATION

Massachusetts Institute of Technology *Class of 2022*
B.S. in Mathematics with Computer Science *GPA: 4.6/5*

Computer Science: Design and Analysis of Algorithms, Machine Learning, Shape Analysis
Mathematics: Probability, Statistics, Abstract Algebra, Real Analysis, Optimal Transport

EXPERIENCE

CVS Health **New York, NY**
Software Engineer II *July 2023 - Current*

– Developed a tab persistent chrome extension popup using JavaScript, HTML, and CSS that interacts with Entropy+ API.
– Streamlined the Entropy curation process by enabling users to extract and upload website metadata and graphics to the Entropy+ website.

Meta Platforms, Inc **New York, NY**
Software Engineer *Sept 2022 - Nov 2022*

– Logged speech model runs for the AI Speech team and created data pipelines to track lineage and training statistics of production models using Hack and SQL/Hive.

Meta Platforms, Inc **New York, NY**
Software Engineering Intern *June 2021 - Aug 2021*

– Built data pipelines and models ranking duplicate Business Managers (BMs) using Python and SQL/Hive.
– Increased deduping model accuracy by 14%. Became a pillar in my team for later asset deduping models.
– Implemented several improvements to the page administrator view of Facebook Page's location section including identifying and highlighting mismatched fields, implementing notifications, and building a business hours preview using ReactJS, Hack, and GraphQL.

Digital Structures Lab MIT CEE **Denver, CO (Remote)**
Undergraduate Researcher *Sept 2020 - May 2021; Mar - May 2022*

– Wrote scripts in Python for data analysis and rendering brackets under different simulated stresses for the Simulated Jet Engine Bracket (SimJEB) Dataset. Paper at https://arxiv.org/abs/2105.03534
– Applied geometric machine learning methods for shape-based surrogate modeling of trusses (using PyTorch/Geometric, NumPy) and built prototype tool to identify structural issues and optimize truss designs.

SKILLS

Software	**Proficient**: GCP, Kubernetes, Helm, Python, JavaScript/TS, ReactJS, Angular, Artificatory, Harness, ArgoCD, PostgreSQL **Familiar**: Hack/PHP, GraphQL, Hive, Java, Blender
Languages	English, conversational in Amharic

ACHIEVEMENTS

CVS DDAT Vibrancy Award (∼50 of 3000 engineers for outstanding contributions)	*2024*
Top 10 Datahub OSS Contributor (community of 11,000+ members)	*2024*
Best Paper 3rd Place at SGP 2021 (SimJEB Dataset)	*2021*
Jane Street IN FOCUS Fellow	*2020*
Tau Beta Pi Service and Engineering Fellow	*2019*