

DAVID VIGH

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EXPERIENCE

Avidity Biosciences - San Diego, CA

Staff Software Engineer

June 2025 - Present

- Owned delivery of enterprise AI platforms (Tier 1 confidential AI chat, centralized AI tools hub, internal AI management system), enabling governed use of generative AI for internal high-sensitivity business functions
- Designed and implemented end-to-end Azure infrastructure and authentication, including Okta integration, RBAC, encryption, logging, and auditability to ensure compliant handling of Tier 1 clinical, legal, and manufacturing data
- Executed key technical components of acquisition data separation, including SharePoint scraping and secure public-drive data migration, supporting acquisition readiness and business continuity
- Integrated AI-assisted development workflows (ChatGPT, Claude CLI, GitHub Copilot) and led knowledge sharing to improve team velocity and delivery reliability

Amgen - Deerfield, IL

Sr. Machine Learning Engineer

Jan 2025 - May 2025

- Optimized ML infrastructure and model training pipeline through parallel processing and code refactoring, reducing training time by 75% and infrastructure costs by 50%
- Led production deployment of a transformer-based ML pipeline that automatically generates and ranks qualified sales leads weekly, enabling sales teams to prioritize high-potential opportunities and reduce time-to-contact

Sr. Data Engineer

Oct 2023 - Dec 2024

- Developed and maintained automated ETL scripts to process the team's main data sources from various vendors totalling 200+ billion rows over each month. Published final datasets in Google Cloud, Databricks, and Azure SQL
- Administered and improved data science environments and automated workflows, reducing time to insights from weeks to days
- Assigned tasks and provided thorough feedback to direct reports including offshore consultants

Horizon Therapeutics (acquired by Amgen) - Deerfield, IL

Sr. Data Engineer

Jul 2022 - Oct 2023

- Led a seamless migration to an upgraded data format with no operational downtime
- Expanded data coverage by integrating new claims vendors, increasing insights across vendor domains
- Guided and supervised a summer intern, leading to the successful development of an internal doctor lookup tool, enhancing internal resource accessibility

Data Engineer II

Jul 2021 - Jul 2022

- Increased operation ability by increasing cloud footprint across multiple cloud vendors
- Improving ETL pipelines with new features and data sources

Data Engineer

Jan 2020 - Jul 2021

- Decreased processing time by 5x of monthly deliveries of 10B rows of data
- Implemented automatic data pulls from vendor websites using web scraping technology due to vendor not having api

Contractor

Aug 2019 - Dec 2019

- Migrated on premises distributed computing environment to GCP to increase platform scalability

Software Developer and Data Engineer - Chicago, IL

Contractor

Jul 2018 - Aug 2019

- Researched and built first stage web scraper
- Built the csv parser for an early stage startup

EDUCATION

Clarkson University - Masters of Science, Applied Data Science

Clarkson University - Bachelors of Science, Computer Science

SKILLS

Languages: Python, SQL, Go, Scala, Java, BASH, Powershell, HTML/CSS, Javascript, R

Technologies & Frameworks: Pandas, PySpark, Git, Neo4j, GCP, Azure, AWS, Apache Spark, Snowflake, Databricks, Docker, Delta

Operating Systems: Linux, Windows, Mac