Tommy Unger

Leading the way toward data-driven solutions, experiences, insights, and decisions.

first.last@gmail.com
email
Seattle, WA
location

Work experience

Director of analytics
AudioEye
2021 - current

- Lead data sciencist/engineers building large-scale data pipeline (AWS, Kinesis, S3, Spectrum, Redshift).
- Lower AWS costs by 70% while increasing functionality, reliability directly impacting gross margins.
- Lead and implement KPI metrics and dashboards for key business products, services, and departments.

Instructor - data visualization
University of Washington
2016 - current

- Teach a hands-on data visualization continuing education course for working professionals.
- Focus on the scaffolding of data visualization strategies including: history of datavis, understanding your audience, data acquisition and cleaning, and building tool proficiency in Tableau and Excel.

Lead data scientist & product manager
Qumulo
2014 - 2021

- Envision, research & launch industry-leading analytics & UX solutions on an enterprise data storage system.
- Manage a team focused on analytics, design, and data science.
- Manage the design & launch of a data-driven prefetch solution increasing customer read performance.
- Tableau, Jupyter, Python, SQL to across product, business. Present to small teams and the whole company.
- Launch cloud-based monitoring/analytics platform used by 90% of our customer base.

Real estate data scientist
Redfin
2013 - 2014

- Brainstorm, research, design and write data-driven stories about the real estate market including: Cities a Billionaire Can Buy and Hottest Neighborhoods. Achieving all-time highs for web blog traffic.
- Build solutions to analyze real estate markets using SQL, AWS Redshift, HTML, css, Javascript, d3.js

Product manager - data & analytics
Optify
2009 - 2013

- Design & manage a pixel-tracking system (like Google Analytics) for deep knowledge of website visitors.
- Create software solutions that helped companies improve search engine rankings via links & content.
- Drive company decisions and innovation with data science for SEO, website tracking, , business intelligence.

Senior data analyst
Zillow
2006 - 2009

- Analyze national and local residential real estate markets. Billions of data points processed.
- Build quarterly reports used by national media, including WSJ, NYT. C#, SQL Server, Windows scripting.
- Lead the creation and deployment of a set of open source US city neighborhood boundary maps.

Software development engineer/test
Microsoft
2001 - 2005

- Build stress testing scripts and automation for the ASP.Net web server platform.
- Build a performance testing app & database system for measuring the speed & stability of ASP.Net/IIS.

Patents

- Filesystem capacity and performance metrics and visualizations, 10,095,709 & 9,836,480
- Analyzing and visualizing trends in the use and consumption of data in a shared storage system, 10,318,494 & 10,409,784
- Client aware pre-fetch policy scoring system & dynamic selection of file system pre-fetch policy, 10,614,033 10,474,635
- Recommending link placement opportunities, 20140188608

Tools & Technologies

Databases: Redshift, PostgreSQL, SQL Server, MySQL | **NoSQL**: MongoDb, InfluxDb | **Code**: Python, C#, JavaScript, REST APIs | **Visualization/reporting**: Tableau, Metabase, d3.js, p5.js

Education

Computer science, BS, Georgia Tech: Human-computer interaction and data focus. Co-op program at Manhattan Associates and an education software startup. Member of Georgia Tech Soccer Club team. Volunteer mentor, Techwood Tutorial Project.