








Tommy Unger

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

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email
Seattle, WA
location

Work experience

 AudioEye	Director of analytics Lead data scientist/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.	2021 - current
 University of Washington	Instructor - data visualization 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.	2016 - current
 Qumulo	Lead data scientist & product manager 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.	2014 - 2021
 Redfin	Real estate data scientist 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	2013 - 2014
 Optify	Product manager - data & analytics 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.	2009 - 2013
 Zillow	Senior data analyst 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 .	2006 - 2009
 Microsoft	Software development engineer/test 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.	2001 - 2005

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.