

Tommy Unger

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

tommy.unger@gmail.com
email
Seattle, WA
location

Work experience



Principal data scientist & product manager

2014 - current

- Envision, research & launch industry-leading analytics & UX solutions on an enterprise data storage system.
- Managing a team focused on analytics, design, and data science.
- Manage the design & launch of a data-driven prefetch solution increasing customer read performance.
- Use Tableau, Jupyter Python notebooks, Excel & SQL to investigate, analyze, and deliver insights for a variety of businesses and technical challenges. Present findings to small teams and the whole company.
- Launch a cloud-based monitoring and analytics platform used by 90% of our customer base. This differentiated product drives engagement of existing customers and acquisition of new customers.



Instructor - data visualization

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.
- Working with the committee to design courses and content for data analytics.



Real estate data scientist

2013 - 2014

- Brainstormed, researched, designed and wrote data-driven stories about the real estate market including: [Cities a Billionaire Can Buy](#) and [Hottest Neighborhoods](#). Achieved all-time highs for web blog traffic.
- Built solutions to analyze real estate markets using SQL, AWS Redshift, HTML, css, Javascript, d3.js



Product manager - data & analytics

2010 - 2013

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



Online marketing consultant, web developer, principal

2008 - 2010

- Worked with a variety of small and large business to deliver online marketing and web solutions.
- Built an A/B testing framework for a marketing website to help optimize conversions.
- Built advanced Javascript filtering controls for Blue Nile's diamond search experience.



Senior data analyst

2006 - 2008

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



Software development engineer/test

2001 - 2005

- Built stress testing scripts and automation for the ASP.Net web server platform.
- Built 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: Expert in PostgreSQL, SQL Server, MySQL | **NoSQL:** Advanced in MongoDB, InfluxDb | **Code:** Python, JavaScript, REST APIs | **Visualization/reporting:** Tableau, Excel, Google Sheets, 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.