Jason Grout

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Staff software engineer, system architect, and open-source community leader in Project Jupyter.
Extensive current skills in JavaScript/TypeScript and Python; experience in SQL, C/C++, Scala, etc.

Experience

Staff Software Engineer, Databricks, San Francisco, CA; Remote   **2021–Present**
- Helped create and served on Jupyter Executive Council and Jupyter Foundation Governing Board, helping raise more than $1,000,000 for Jupyter from top tech companies.
- Helped implement Databricks features using Jupyter, including editor helps, ipywidgets, notebook import/export.
- Tech lead for team of 5 engineers (2024–2025).

Senior Software Engineer, Bloomberg, New York, NY; San Francisco, CA   **2014–2021**
- Jupyter developer, community leader, and Steering Council member.
- Helped create BQuant data science platform for Bloomberg customers (BQNT) built on Jupyter, aligning open-source and commercial efforts and mentoring open-source contributions.
- Helped lead (helped design, implement, review, and release most major pieces and grow community):
    - JupyterLab: 380 contributors, 1 million monthly PyPI downloads.
    - Jupyter Widgets: 160 contributors, 9 million monthly PyPI downloads.
- Helped maintain many other Jupyter projects, including Jupyter Notebook, protocols, file formats, etc.
- JupyterCon 2020 program chair (more than 500 attendees).
- Helped create and administer Jupyter Community Workshop program: locally-led workshops for high-impact Jupyter work and community building (19 workshops held or in progress, 2018–Present).
- Co-organized PyDataNYC meetup (usually 80–100 attendees, 2015–2016).

Assistant Professor (Mathematics), Drake University, Des Moines, IA   **2009–2014**
- Taught undergraduate calculus, linear algebra, combinatorics, numerical analysis, modeling, etc.
- Co-PI, National Science Foundation grant on open source in math education ($525,000, 2010–2014).
- Contributed heavily to SageMath open-source software system; helped lead wider SageMath community.
- Helped administer main public SageMath notebook servers, over 170,000 accounts.
- Created SageMath Cell Server with students to embed live computations and graphics in any webpage.

Postdoctoral Associate (Mathematics), Iowa State University, Ames, IA   **2007–2009**
- Taught and helped organize undergraduate and graduate mathematics courses and summer programs.
- Contributed heavily to the Sage open-source math software system.

Math Instructor/Teaching Assistant, Brigham Young University, Provo, UT   **2001–2007**

Programmer, Various Positions, 1996–1997, 2001

Education

PhD Brigham Young University, Math, 2007, *The Minimum Rank Problem Over Finite Fields*.
 MS Brigham Young University, Math, 2004, *Ultraconnected and Critical Graphs*.
 BS Missouri State University, Math and Computer Science (Honors, National Merit Scholar), 2001.

Selected Leadership and Awards

- Project Jupyter Executive Council (2023–Present), Project Jupyter Steering Council (2015–2022)
- Jupyter Foundation Governing Board (2024–Present)
- Jupyter Trademarks Committee (2019–Present), Jupyter Community Building (2018–Present)
- NumFOCUS Advisory Council (2018–2024).
- Served volunteer full-time religious mission in Seattle, WA (1997–1999).
- Presented many talks and workshops over many years, see jasongrout.org/conferences
- Publications, grants, and awards at jasongrout.org/scholarship
- Association for Computing Machinery Software System Award for Project Jupyter (2017).