

Samantha Tatsuko Vellucci

DATA SCIENCE MANAGER

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PROFESSIONAL EXPERIENCE

ROCHE DIAGNOSTICS SEATTLE | Multinational Healthcare Company **May 2020 – April 2021**

Director of Biochemistry / Research Lead | 1YR

- Led critical project of merging technologies post-acquisition; overcame challenges of marrying two technologies, successfully integrating teams in Seattle and Santa Clara during the pandemic.
- Made data-driven decisions and concisely translated these to senior leadership—directly resulting in our first technical milestone being reached in just 7 months.
- Boosted morale company-wide through dedicated mentorship of junior teams and excellent relationship-building with technical and business leaders.
- Played an indispensable role managing the core research and development team for *Sequencing by eXpansion (SBX™)* technology—leading to the successful acquisition by Roche in 2020.

STRATOS GENOMICS | Biotech Start-up

Sept 2013 – May 2020

Director of Biochemistry | Dec 2017 – May 2020 (2YR 6MO)

- Invented and guided the execution of a novel results compilation database for storing and comparing analytical results for single-read sequencing of genetic material—leading to 15% improvement on sequencing accuracy and 400X improvement on sequencing lengths.
- Shattered global standards of sequencing; ran the project that reduced processing time by 91%.
- Directed team of 8-15 high performing individuals ranging from junior to senior scientists.
- Strengthened interdepartmental communication by organizing slack™ content efficiently.
- Demonstrated self-starter and leadership skills resulting in a record time promotion to highest available position at the company (intern to director in 4 years).

Previous Roles:

- **Scientist / Project Lead** | May 2016 – Dec 2017 (1YR 8MO)
- **Senior Research Associate** | June 2015 – May 2016 (1YR)
- **Research Associate** | Sept 2013 – June 2015 (1YR 10MO)

EDUCATION

UNIVERSITY OF WASHINGTON | Coding Bootcamp

2021 – 2022

WESTERN WASHINGTON UNIVERSITY | B.S. Math & Biology

2009 – 2012

Technical Skills

- JavaScript, CSS, HTML, Node.js, Express.js, React.js, MongoDB, MySQL
- Integrating third-party libraries, Consuming RESTful APIs
- Data Visualization, Excel, Statistics

[portfolio](#) (HTML/CSS) | [madMojj](#) (JavaScript/APIs/jQuery) | [state-capitals-quiz](#) (JavaScript)