

# David Vaillant

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🌐 D-Vaillant

## Education

- 2010–2014 **BSc. Mathematics**, *University of California, Santa Barbara*.  
Studied combinatorics, graph theory, linear algebra, and the foundations of statistics.
- BA. Philosophy**.  
Specialization in logic and the philosophy of mathematics.

## Experience

- 2019–Present **Software Fault Analyst**, *Waymo (via Crowdstaffing)*, Mountain View.
- Applied root cause analysis to behavioral issues in self-driving vehicles.
  - Streamlined the software fault analysis workflow using SQL-driven automated dashboards.
  - Implemented productivity-saving features for proprietary applications.
  - Designed and managed the rollout of new workflows across multiple teams.
- 2017–2018 **Mathematics Tutor**, *West Valley College*, Saratoga.
- Tutored disadvantaged students in algebra, statistics, and fundamental concepts in mathematics.
- 2015–2016 **Technical Intern**, *Desert Farms Camel Milk*, Santa Monica.
- Saved hours of manual labor by programmatically querying and organizing customer orders using Ruby scripting.
  - Improved the performance and responsivity for the online storefront and increased customer satisfaction and retention by correcting a crucial underlying software defect.

## Programming Languages

Python ●●●●○  
Bash ●●●○○  
SQL ●●●○○  
C++ ●●○○○  
Javascript ●●○○○  
Java ●○○○○

## Proficiencies

Experience with relationship databases and server management.  
Proficient in adapting to new technologies.  
Strong ability to identify and communicate abstractions.