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 Quality Analyst**, *Waymo (via Crowdstaffing)*, Mountain View.
- Provided detailed metrics on the behavioral faults of self-driving vehicles.
- Leveraged Python, SQL, and Pandas to present data efficiently and accurately.
- Proposed and acted as lead on a broad proposal to systematize and automate large parts of the Software Quality workflow.

2017–2018 **Mathematics Tutor**, *West Valley College*, Saratoga.
Tutored disadvantaged students in algebra, statistics, and fundamental concepts in mathematics.

2015–2016 **Technical Consultant**, *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

Language	Level	Notes
Python	●●●●○	*Flask/SQLAlchemy, numpy, scikitlearn, pandas, matplotlib, seaborn.*
C++	●●○○○	*Protobufs.*
Javascript	●●○○○	*jQuery.*
Ruby	●○○○○	*Ruby on Rails.*

Software Proficiencies

OS Windows, GNU/Linux (Arch, Debian), FreeBSD
Databases SQLite, PostgreSQL, GoogleSQL
Experience with relationship databases and server management.
Highly proficient in adapting to new technologies.