

David Vaillant

San Jose, CA
☎ (408) 439 7551
✉ dvaillant@gmail.com
🌐 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

- 2015–2016 **Technical Consultant**, *Desert Farms Camel Milk*, Santa Monica.
- Used the Shopify API to query customer orders and programmatically organized those into dynamically generated spreadsheets, saving hours of manual labor.
 - Improved the performance and responsivity for the online storefront by correcting a crucial underlying software defect, leading to increased customer satisfaction and retention
 - Played a key role in requisitioning vital hardware which ultimately eliminated employee productivity bottlenecks
- 2017–2018 **Mathematics Tutor**, *West Valley College*, Saratoga.
Tutored disadvantaged students in algebra, statistics, and fundamental concepts in mathematics.

Programming Languages

Python	●●●●○	<i>Flask/SQLAlchemy, numpy, scikitlearn, pandas, matplotlib, seaborn.</i>
Ruby	●●○○○	<i>Ruby on Rails.</i>
R	●●○○○	<i>Data wrangling with tidyverse.</i>
Javascript	●○○○○	<i>jQuery.</i>
MATLAB	●○○○○	

Software Proficiencies

- OS Windows, GNU/Linux, FreeBSD
- Databases SQLite, MySQL, PostgreSQL
- Adobe Photoshop, Illustrator
- Experience with relationship databases and server management.
- Comfortable with and capable of confronting and learning new fields.