**MLA Citation**

“Job ID : 122213 F19 Data Science Co-Op 122213B .” *UBC Science Co-Op*, https://scope.sciencecoop.ubc.ca/myAccount/co-op/postings.html.

**Job ID : 122213 F19 Data Science Co-op 122213B**

**Alloy Technologies In - Head Office**

**Job Title:** Data Science Co-op 122213B

**Position Type:** Co-op Position

**Job Location:** San Francisco, CA

**Country:** USA

**Duration:** 4 months

**Job Description:**

**About Alloy**

Alloy is the modern analytics and planning software solution for consumer goods brands. We empower these companies, which make the items we use, wear, and consume every day, to manage supply and demand with speed and agility. Our customers range from Fortune 100 enterprises like Facebook to fast-growing startups like eero, Tile, and Walker & Company.

Our small team studied at top institutions including UBC, Waterloo, MIT, Stanford, UC Berkeley, ETH Zurich, Caltech, and Harvard and has diverse backgrounds and experience. We believe in fostering individual ownership, iterative product development, and empathetic communication.

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| Get to know us better:\* Learn more about us on our website\* See our CEO’s announcement of our $12 Million Series A -- also on WSJ and Crunchbase \* Find out how it is to work at Alloy in blog posts by our engineers Amelia H. and Iva M.\* Read our white paper on forecasting **About You** You like to dive deep into new data and explore the underlying factors that drive behaviour. You love to learn about new techniques and methodologies that can improve your results but also recognize and weigh the tradeoffs of each method. You don't shy away from challenging problems and relentlessly strive for better solutions. You share your knowledge and perspectives with others. Building models is the means to an end -- you want to change the way an entire industry understands demand. **Job Responsibilities** \* Increase our understanding of the demand drivers for our customers’ products\* Enhance the quality and sources of data used for forecasting\* Design easy-to-use tools to speed up the process of selecting the best models for millions of product-location combinations At the beginning of your term you and the data team will define a discrete project that aligns with your skills and interests. You'll be paired up with a mentor who will schedule regular 1-1s with you to discuss your goals and help you achieve them. **Potential Projects** (examples, not a comprehensive list)\* Integrating weather effects into an existing time series forecasting model\* Developing an NLP algorithm to impute product characteristics\* Designing sophisticated visualizations of model quality and variable importance  |
| **Required Skills** \* Knowledge of Python\* Experience cleaning and analyzing structured and unstructured data sources\* Familiarity with one or more of these data science concepts -- statistics, machine learning, time series forecasting\* Excellent debugging and code navigation skills\* Strong written communication **Nice to Have** \* Experience building time series forecasting models \* Familiarity with our data science tools  |

**Alloy’s Data Science Tools**

\* Python - Pandas, Scipy, Sklearn, Prophet \* R - Hyndman Time Series Forecasting
\* Jupyter Notebooks

**Compensation and Benefits Information**

\* Highly competitive pay \* Housing stipend
\* Roundtrip airfare
\* Visa costs

**Citizenship Requirement:** N/A