

# PHI NGUYEN

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## EDUCATION

### Humboldt Universität zu Berlin

*October 2016 – July 2019 | Berlin, Germany*

M.S. Statistics [Specialization in Applied Microeconometrics and Quantitative Research]  
1.7/1.0 [corresponds to approximately 3.3 GPA in US scale]

### UC Berkeley

*August 2009 – May 2013 | Berkeley, CA*

B.A. Operations Research and Management Science  
3.86/4.00 GPA [Honors with Distinction]

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## PROFESSIONAL EXPERIENCE

### Mercator Research Institute on Global Commons and Climate Change

*Visiting Researcher | November 2018 – November 2019 | Berlin, Germany*

- Estimated the cost of congestion and an optimal congestion charge in Berlin with a supply and demand framework.
- Used DBSCAN clustering on over 32 million trips to group similar trips, and solved identification challenges using an instrumental variable approach.

### Priori Data

*Data Scientist, Working Student | November 2017 – October 2018 | Berlin, Germany*

- Developed and maintained machine learning models to estimate app revenue, app stickiness, and record linkage between apps across different app stores.
- Used `docopt` package in R, Python, and Airflow to schedule pre-processing, model fitting, and loading model estimates into Google BigQuery.

### Growney

*Data Scientist, Working Student | January – October 2017 | Berlin, Germany*

- Used Monte Carlo methods on historical returns to simulate forecasts of portfolio performances with different asset allocation strategies.
- Developed an R Shiny application to calculate historical performance of growney portfolios. Used RSelenium to automate download of historical asset returns.

### Intuit

*Senior Data Analyst | August 2013 – February 2016 | Mountain View, CA*

- Using Adobe SiteCatalyst, SQL, and Tableau, managed web analytics for Quickbooks.com, including page flow analysis, funnel analysis, and acquisition.
  - Using SiteSpect, SQL, and R, drove 20+ A/B testing experiments ranging from page optimization, pricing changes, and lineup presentation to improve Web/SEO funnel.
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## SKILLS & INTERESTS

### Technical Skills

DATA SCIENCE & STATISTICS: R, SQL, Python [intermediate]  
VISUALIZATION: ggplot2, Tableau, R Shiny [intermediate], D3.js [basic], QGIS [basic]  
OTHER: Git, Markdown, Excel, command line [intermediate], LaTeX [intermediate]

### Languages

English [native], German [C2], Vietnamese [intermediate]

### Interests

Rock climbing, visual storytelling & data viz, sports analytics, urbanism

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