

# KRIT PETRACHAIANAN

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San Francisco, CA (*current*) · Bangkok, Thailand (*permanent*)

## EDUCATION

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### Grinnell College

B.A. in *Mathematics & Statistics* and *Physics*, with honors  
Cumulative GPA: 3.76/4.00

**Grinnell, IA**  
*Received May 2017*

## RELEVANT EXPERIENCE

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### Data/Research Analyst

*Salesforce (via VARITE Inc.)*

**San Francisco, CA**  
September 2017 – present

- Conduct in-depth market research on global accounts and companies using a variety of industry sources
- Run reports and dashboards to highlight account and company status changes, as well as to follow-up and ensure resolution

### Front-End Web Contractor

*PepTalk Motivation*

**San Francisco, CA**  
July – August 2017

- Created a fully-functional login portal and landing page for clients of a growing startup company
- Effectively managed a modularized code base separating functional and presentational components, greatly increasing code readability and flexibility

### Data Consultant

*Data Analysis and Social Inquiry Lab, Grinnell College*

**Grinnell, IA**  
August 2015 – May 2017

- Used R, Tableau, and D3 to create interactive visualizations to accompany datasets
- Extracted data and clean relevant variables in preparation for instructional use
- Offered one-on-one statistical guidance to 3-5 students a week with data analysis in research projects in the social sciences

### Data Visualizations Developer

*Stat2Labs, Grinnell College*

**Grinnell, IA**  
Summers 2015 – 2016

- Developed worksheets and other instructional materials in R Markdown for use in advanced statistics courses
- Used Shiny and Leaflet in R to create two interactive spatial visualizations on crime and terrorism

### Statistics Mentor

*Math Lab, Grinnell College*

**Grinnell, IA**  
August 2015 – May 2017

- Mentored more than 50 students per semester for both introductory and advanced R-based statistics courses

## OTHER ACHIEVEMENTS

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### Summer Institute Planning Committee

*Digital Bridges for Humanistic Inquiry*

**Grinnell, IA**  
June 2016

- Collaborated with college faculty over two weeks to organize a week-long conference on the digital humanities
- Hosted and led a Tableau workshop for twenty faculty members from Grinnell College and the University of Iowa

### Midwest Big Data Hackathon, Second Place

*University of Iowa*

October 2016

- Used R to create an interactive social network diagram in a team of two within a span of 24 hours, winning 2nd place out of 36 other teams

### Undergraduate Class Project Competition (USCLAP), First Place

*Consortium for the Advancement of Undergraduate Statistics Education (CAUSE)*

September 2016

- Won first place in national competition against an estimated number of 100 other groups with “Validating Cattell’s 16PF Model with Exploratory Factor Analysis”

## OTHER SKILLS

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### Tools and Frameworks

*Statistics:* RStudio · Excel · Minitab  
*Visualization:* Shiny · Tableau · D3 · Leaflet  
*Web:* NodeJS · Express · React/Redux  
*Database:* SQL · MongoDB

### Languages

*Statistical:* R · MySQL  
*Web:* Javascript · HTML5/CSS3  
*General:* Python · Java · C  
*Human:* English · Thai · Mandarin Chinese