

KRIT PETRACHAIANAN

EDUCATION

Grinnell College

B.A. in *Mathematics* and *Physics*, with honors

Cumulative GPA: 3.76/4.00

Grinnell, IA

Received May 2017

PROFESSIONAL EXPERIENCE

Fynnet Ventures

Software Engineer

Bangkok, Thailand

March 2020 – present

- > Built product front-end from scratch with React and Next.js, in a Scrum environment
- > Advised product manager and backend engineers with data storage conventions, including financial and geographic data

Intuit (*acquired from Origami Logic Inc.*)

Bangkok, Thailand

Data Analyst

October 2018 – January 2020

- > Onboarded data from clients into custom platform, including restructuring datasets and checking for errors
- > Validated and monitored data through dashboards and regular data quality reports, solving problems and informing relevant parties whenever needed
- > Automated workflows with a library of custom Python scripts, significantly minimizing time and effort spent on data cleaning

Oakland Charter High School

Oakland, CA

Math/Science Paraprofessional

December 2017 – June 2018

- > Assisted teachers with classroom management, after-school tutoring, and other tasks as needed

Salesforce

San Francisco, CA

Data/Research Analyst

September – November 2017

- > Used internal Salesforce apps to run reports and to follow-up on and ensure resolution of data quality issues
- > Automated data collection with Javascript bookmarklets, increasing productivity three-fold

Data Analysis and Social Inquiry Lab (DASIL)

Grinnell, IA

Student Data Consultant

August 2015 – May 2017

- > Fulfilled ad hoc requests for cleaned datasets and interactive visualizations for instructional use, by consulting with clients for specific parameters and using self-taught technologies to complete tasks
- > Created web visualizations of large datasets (> million rows) using R, Tableau, and D3.js

PROJECTS

Validating Cattell's 16PF Model with Exploratory Factor Analysis

December 2016

Network Visualization of Student Interactions

October 2016

Regression Model Builder

March 2016

A Look at Racial Discrimination in New York City Arrests

July 2015

TECHNICAL SKILLS

Tools and Frameworks

Statistical	RStudio, MS Excel, Minitab
Visualization	Shiny, Tableau, D3, Leaflet
Web	Node, React
Mobile	React Native, Flutter
Database	SQL, MongoDB

Languages

Statistical	R, SQL/HiveQL, VBA
Web	Javascript, Dart, HTML
General	Python, Java, C
Human	English, Thai, Mandarin