

# Curriculum Vitae

## Yong Jin Kweon

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- **For more non-academic achievements, I would suggest to check out my LinkedIn (pg. 5).**

## Information

Born: 24 June 1996, Seoul, Korea.

Citizenship: Korea, Republic of

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## Interests

Financial planning, Math competitions, World history, Programming languages (Especially R), European soccer (Especially German and Spanish), Neuroscience/computing, Bio-statistics/informatics, Statistical inference/computing, (Linear) modeling and regression, Bayesian inference, Nonparametric methods (Mann-Whitney test/Wilcoxon rank sum test), Statistical genomics, Bootstrapping, Big data analysis, Parameter estimation, Simple random sampling, Markov Chain, Machine learning

## Education

**BA in Statistics (Cluster: Mathematics/Economics) in May, 2018**

University of California, Berkeley, California, U.S.

**AS-T in Mathematics and Business Administration & AA-T in Economics in May, 2016**

Diablo Valley College, Pleasant Hill, California, U.S.

**High school in June, 2014**

Bayridge Secondary School, Kingston, Ontario, Canada

## Teaching and Advising

**Stat 133 TA/UGSI (Gaston Sanchez) Jan 2018 - Present**

*Statistics Department at University of California, Berkeley*

- Lead 2-hour lab sections twice a week
- Hold 4-hour of office hours a week
- Proctor, made, grade midterm and final exams

**Stat 135 Reader (Adam Lucas) Aug 2017 – Dec 2017**

*Statistics Department at University of California, Berkeley*

- Opportunity to connect with faculty and GSIs.
- Help grade quizzes, exams, and weekly homework.
- Have regular meeting with GSIs and a professor

**Stat 133 Lab Assistant (Gaston Sanchez) Aug 2017 – Dec 2017**

*Statistics Department at University of California, Berkeley*

- Opportunity to connect with faculty and GSIs.
- Help students do homework and lab assignments in lab hours.
- Tutor R language.
- Experience in helping to educate students on a fundamental statistics topic.
- Opportunity to practice communication skills.
- Experience working in teams.
- Enhanced critical thinking skills.
- Grade R lab assignments according to the professors' rubric.

**Stat 133 Lab Assistant (Adam Lucas) Jan 2017 – May 2017**

*Statistics Department at University of California, Berkeley*

- Opportunity to connect with faculty and GSIs.
- Help students do homework and lab assignments in lab hours.
- Tutor R language.
- Experience in helping to educate students on a fundamental statistics topic.
- Opportunity to practice communication skills.
- Experience working in teams.
- Enhanced critical thinking skills.
- Grade R lab assignments according to the professors' rubric.

**Stat 198 Reader (Mike Leong)      Jan 2017 – May 2017**

*Statistics Department at University of California, Berkeley*

- Help grade weekly quizzes and exams.
- Assist Professor Leong to organize the lectures.
- Mentor Stat 134 (Introduction to Probability) students to succeed in the class.

**Haas Young Entrepreneurs at Haas (YEAH)/Boost Mentor      Sep 2015 – Dec 2016**

*Haas School of Business at University of California, Berkeley*

- As a mentor, I lead “group 1” of five grade 9 students with another two Berkeley students. I share my experience and guide the younger students to help them achieve their goals.
- As a mentor, I lead a group of grade 11, making presentations with the topic of advocating the needs of education for students.

**Math Lab Tutor      May 2015 – Jul 2016**

*Math Lab at Diablo Valley College*

- Training students dropping in 1:1 or in groups for statistics, algebra, trigonometry, and calculus, 5 – 7 hours every week.
- Build great relationships with 200+ students, trying to encourage positive changes in them, in terms of math skills and habits.
- Help keep the math lab tidy and clean for students using the services there.

**Business Lab Tutor      Sep 2015 – May 2016**

*Business/Accounting Lab at Diablo Valley College*

- Training students dropping in for managerial & financial accounting, statistics, and macro & micro economics, 3 – 6 hours every week.
- Troubleshoot business-related questions as an evaluator.
- Unlike the math lab tutor, I can also learn from tutees who come from different classes, since many professors do different but related projects for their classes.

## Research

**Conjoint Analysis Research under Professor Philip Stark      Feb 2018 - Present**

- Try to prove why conjoint analysis does not logically make sense in the market

**Honor Thesis under Professor Rasmus Nielsen      May 2017 – Nov 2017**

- Use Shell script to run fastsimcoal2 to simulate huge amounts of genomic and genetic data
- Analyze data with Qpwave and Qpadam

**Research Intern under Professor Heather Haveman      Feb 2017 – Dec 2017**

- Work for Charter Schools and the Business Age: Manual and CS Coding of Websites for Text Analysis.
- Work with the Python/R coder teams to web-scrape and analyze the websites of every U.S. charter school open today.
- Clean the large data sets of dat, csv, and txt files, into the public readable data, to answer the question: “Which charters survive and thrive in this political climate—those that stress discipline and college-readiness, or those that prioritize independent thinking and socio-emotional development?”

**Research Intern under Professor Daniel Kammen      Sep 2016 – Dec 2016**

*Renewable and Appropriate Energy Laboratory at University of California, Berkeley*

- Work for National Renewable Energy Deployment Research on SWITH project on Mexico region.
- Under professor Daniel Kammen (Professor of Energy and Resources), developing and applying data management skills (using relational database PostgreSQL, Python, Pandas, QGIS, web-scraping, data munging, and data visualization) and gaining exposure to national energy policy.
- Clean large datasets from various sources, and formatting appropriately, using R and Git.
- Build up different statistical analyses for the appropriate modeling of hydropower in Mexico.
- Build up analytical predictions for the future hydro-plant power generations.
- Wrote a scientific research paper on methods of forecasting future hydro-power generations.

## University Service

**Stat 133 Final Exam Proctor      Dec 15 2017**

*Department of Statistics, University of California, Berkeley*

**Disabled Students' Program (DSP) Note-taker      Jan 2017 – Aug 2017**

*DSP office at University of California, Berkeley*

**Associated Students of University of California Finance Associate Director      Sep 2016 – Dec 2016**

*Administrative Department at University of California, Berkeley*

**Associated Students at Diablo Valley College (ASDVC)      Aug 2014 – May 2016**

*PR & Activity, Diversity, Legislative, College Success, Curriculum, Budget Committee at Diablo Valley College*

**Disability Support Services (DSS) Note-taker      Jan 2015 – May 2016**

*DSS office at Diablo Valley College*

## Professional Service

**Machine Learning Internship      May 2017 – Aug 2017**

*IPMD*

**CFO/Co-Founder      Nov 2012 – June 2017**

*Onbi, Smartphone Application Co*

**Marketing Internship      Oct 2014 – Jan 2015**

*Transamerica*

## Community Involvements/Service

Soccer Assistant Coach

Jul 2015 – Oct 2015

Haiti Missionary      Aug 2015

## Honors and Awards

- High Distinction in general scholarship level at graduation
- Associate Student at Diablo Valley College (ASDVC) Perfect Attendance Trophy.
- Award of Excellence: Diversity Committee (ASDVC).
- Earned the 1st place at Diablo Valley College for the contest of AMATYC.
- National Founding Contest 2nd Place for Onbi project.
- Placed in the top 7.3% in the Euclid contest, run by Waterloo University, in 2014.
- Placed in the top 15 candidates in my district, qualifying to go to Penn State for a national math contest, in 2014.

## Grants and Scholarships

- Berkeley International Office Grant/Scholarship, \$3,283 (Spring 2018).
- Statistics Department Award/Grant, \$6,315 (Spring 2018).
- DVC Retiree's Association Transfer Scholarship, \$1,000.
- DVC Math Department AMATYC contest winner scholarship, \$150.

## Skills and Languages

- Proficient in R.
- Experience in SQL and Latex.
- Basic knowledge of CSS, HTML, C++, XML, Python, MATLAB, UNIX/Linux, Git, and Mathematica.
- Fluent in Korean (able to teach Korean to foreigners) and English. Studied Chinese and French Creole.
- Proficiency in Windows, Microsoft Office (Word, Excel, and PowerPoint).
- Intermediate in Photoshop.

## References

- **Nike Sun, Assistant Professor**

Department of Statistics

University of California, Berkeley

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- **Oscar Madrid, Neyman Vising Assistant Professor**

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- **Gaston Sanchez, Lecturer**

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- **Hermann Helmut Pitters, Neyman Visiting Assistant Professor**

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- **Dora Argueta-Rico, Math Lab Advisor**

Math Lab  
Diablo Valley College  
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- **James Magee, Professor**

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- **Will Parks, Professor**

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- **Clint Ryan, Professor**

Department of Mathematics  
Diablo Valley College  
[CRyan@dvc.edu](mailto:CRyan@dvc.edu)

## Social Media

- **Website**

<https://yjkweon24.wixsite.com/yongjinkweon>

- **Github**

<https://github.com/yjkweon24>

- **LinkedIn (For more non-academic achievements, I would suggest to check out my LinkedIn)**

<https://www.linkedin.com/in/yong-jin-kweon-5b687a103>