Headstart Silicon Valley
Data and Real-world
Summer Internship Program 2019

Headstart Silicon Valley, Inc.

Why This Program

Headstart Silicon Valley offers data and real summer internship programs.
We provide students around the world with a 4-week project-based data science internship program in Silicon Valley, USA.

With interdisciplinary training on data analysis and visualization, global students explore professional project experiences and meet mentors who are working as data scientist in the companies.
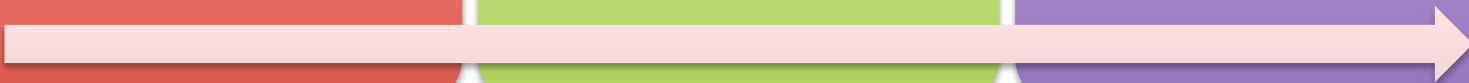
Course Structure and Highlights

Take Data Science
Training Courses On & Offline

Intern Projects
in Silicon Valley, USA

Apply for a job
As Data Scientist/Analyst

Accelerate your academic, career, and personal growth in 4 weeks.

Testimony and Outcomes

Gyu Su Han, University Sogang '2018,
1St Place – Samsung Data Challenge 2018

" The best part of this program was the mentoring. We were able to learn data analysis techniques used in the industry. It was especially helpful to learn tips on how to deal with issues that arose in our projects"

Hyun Soo Shin, University Sogang '2017,
Data Science Engineer, NAVER in Korea

" I appreciate the Headstart Silicon Valley's class design that emphasizes on quantitative analysis, and I would say it was one of the most intense experiences of my life, and important to build a strong portfolio of projects, and my projects at Headstart Silicon Valley definitely helped me in getting that first job."

Professional Skill Development

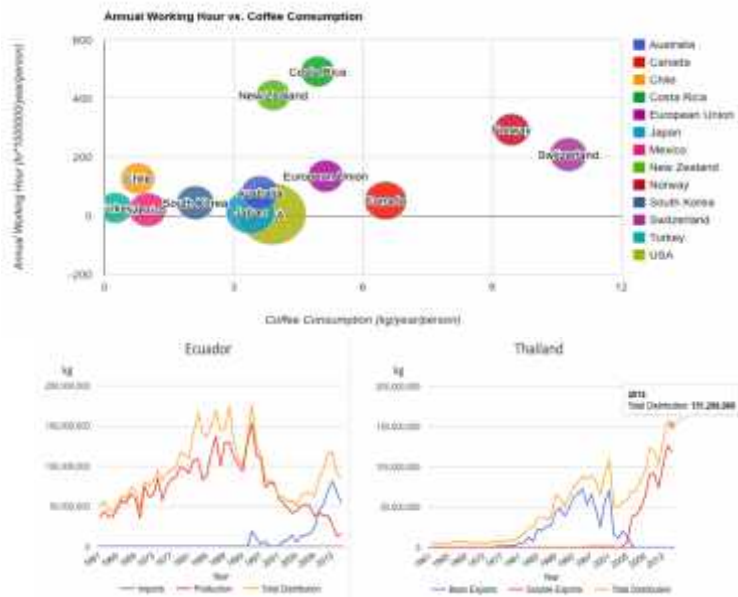|		
Introduction to Data Science	**Machine Learning and Deep Learning Principle**	**Statistical Foundations for Data Science**
Data Visualization with D3.js		**Advanced Analytics**

Curriculum and Contents

01 | Data Science Introduction, Preferences, R Basic

02 | Coding style, data processing using dplyr and data visualization using ggplot2

03 | Statistical concept formulation and practice

04 | Analysis technology according to acquisition data type

05 | Big Data Type Classification and Analysis I: Basic Principles and Conceptual & Logical Modeling Implementation

06 | Big Data Type Classification and Analysis II: Understanding Lasso Basics & Random Forrest

07 | Prediction through Big Data Analysis I: Forest Data Analysis

08 | Prediction through Big Data Analysis II: Bicycle Rental Demand Analysis

09 | Prediction through Big Data Analysis III: Analysis of online ad click tendency data

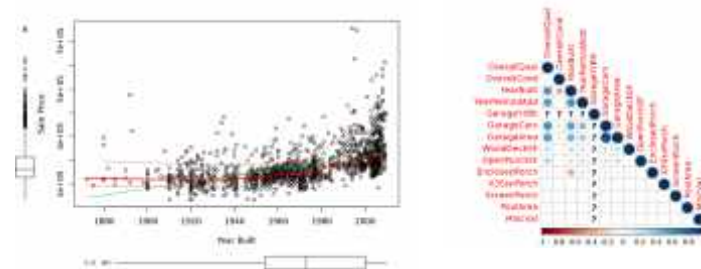10 | Atypical and spatial data analysis and learning through various examples

Data Storytelling Project

Lorem ipsum dolor sit

Real-World Data Science Project

Analysis real estate data and define what influences the value of a house and make the prediction model.

Environmental Data Monitoring Project

Generate data from the IoT sensors and monitor overall operation.

Technical Skills & Knowledge of Data Science

- Statistics (statistics foundation for Machine Learning)

- Machine learning tools and related technologies

- R, Python, SQL

- Data visualization and reporting technology

- Coding techniques and exercises (data science-optimized projects)

Our Records

Our renowned senior data scientists bring deep industry experience directly to college students who want to gain more than their knowledge.

The diverse work experience in the industry is embedded in the projects students are practicing and naturally meets the requirements of employment. The numbers below are evidence of our team's strong competitiveness.

Number of Students from abroad

270

Total number of students, who attended our internship program from 2015

Internship in US & Jobs

45

Number of Students who got jobs and internships after our program

Schools and Partnership

25

Number of University and Partnership Companies in US and Korea

Overview

- 4-week intensive course
- Data collection and visualization after analysis
- Implementing the Data Model
- Learning Silicon Valley IT companies' practical application cases
- Meet local human networks and workshops

Schedule (July 28th ~ August 23rd, 2019)

Schedules & contents are subject to change

Mon	Thu	Wed	Thu	Fri
Day 1	Day 2	Day 3	Day 4	Day 5
• Arrival in SF (SFO) • Check in housing	• Introduction of Company & Program • Welcome event - Self Introduction • Data Science - Lecture 1 & Discussion	• Team build- I • Apple Campus Tour • Team build- II	• Work on projects • Data Science - Lecture 2 & Discussion	• Work on projects • SV Talk – Startup • Review project meeting by team
Day 8	Day 9	Day 10	Day 11	Day 12
• Work on projects	• Data Science - Lecture 3 & Discussion • Work on projects	• Work on projects • Review project meeting by team	• Data Science - Lecture 4 & Discussion • Work on projects	• Work on projects • Attend networking events in SV
Day 15	Day 16	Day 17	Day 18	Day 19
• Work on projects • Meetup – Netflix Sr. Data Engineer	• Data Science - Lecture 5 & Discussion • Work on projects • Review project meeting	• Work on projects • Google, Facebook, Stanford campus & Lab tour • Seminar at Stanford	• Data Science - Lecture 6 & Discussion • Work on project • Meetup –Udemy, director of Engineer	• Work on projects • Hacker Dojo Lightning Talk – Social meeting in SV
Day 22	Day 23	Day 24	Day 25	Day 26
• Work on projects • Review project meeting	• Data Science - Lecture 7 & Discussion • Work on projects • Review projects • Story of Silicon Valley Korean Engineers	• Discussion, Q&A • Work on projects • SV Talk – Google engineer	• Team Project Presentation • Public Presentation in English	• Closing team meeting and review • Checking out and Dismiss

Cost & Detail

Description
Data Science Summer Internship Program at Silicon Valley
($6,500 per person)
Date: 07/28/2019 ~ 08/23/2019
Program and Details:
Professional Software Training with Data Science Projects
Furnished housing for the duration of the program
Facilities and office service
Lunch at office (Monday ~ Friday)
Presentation Event (8/17~ 8/18)
Social meeting and meal setup, Dinner for Seminar
Management and Operation of Program
Mentoring & Visiting IT companies in Silicon Valley

Team

Ryan Koo, CEO

Jaimie Kwon,
Sr. Data Scientist

Andrew Park
Big Data Software Engineer
LinkedIn

Contact Us

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