



SPARTAN 300+

USC SW Camp 운영 계획

- West Coast SW Pioneer Program -
Summer, 2019

2019. 12. 10

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1. 추진목적 및 추진내용

추진목적

- ▶ 미국 USC 주관 SW Summit Camp 참가를 통해 4차 산업혁명 시대를 선도하는 Global SW 융합인재 양성 도모

추진내용

- ▶ 인원 : 총 30명(SW중심대학 관련학과 재학생(송실대 및 타 대학 포함))
- ▶ 기간 : 2019. 6. 29(토)~7. 26(금) (총 28일)
- ▶ 장소 : 미국 LA(USC), 샌프란시스코(실리콘밸리), 시애틀 등 총 3개 도시
- ▶ 일정
 - 6.29(토) : 인천공항 출발 → 미국 LA 도착
 - 7. 1(월)~7.15(월) : Data Science/AI 주제의 프로젝트 기반 수업 진행
 - 7.16(화) : 한·미 해커톤 개최
 - 7. 5(금), 7.12(금) : 미디어 기업 견학
 - 7.17(수)~7.25(목) : US West Coast SW Industry Tour
 - 7.26(금) : 인천공항 도착 후 해산

2. 소요예산 및 기대효과

소요예산

(US\$: 1,123원, 12/10 기준)

항목	내역	수량	단가	합계
항공료	인천-LA, 시애틀-인천	30명	1,500천원	30 X 1,500,000 = 45,000천원
USC	Certificate program	30명	3,000\$	30 X 3,000 = 90,000\$(101,070천원)
	숙박비(식비 포함) * 체크인: 6/29, 체크아웃: 7/17(18박)	30명	1,000\$	30 X 1,000 = 30,000\$ (33,690천원)
해커톤	1day 해커톤 이벤트 * 룸 대여, 식사 및 스낵, 멘토 gift 등	1회	10,000\$	1 X 10,000\$ = 10,000\$ (11,230천원)
기업 투어	숙박(7/17~7/25, 총 8박), 식사, 교통(대형버스), 가이드 및 기사 팁 등	30명	1,464\$	30 X 1,464\$ = 43,920\$ (49,322천원)
총 합계				240,312천원
인당 소요 예산				8,010천원 (학생 자부담비 1,000천원)

※ 상기 비용은 환율에 따라 변경 가능

기대효과

- ▶ 프로젝트 수행을 통한 문제 해결 능력 향상 및 USC 인증서 획득
- ▶ 1day 해커톤 참가를 통한 한·미 학생 간 SW 지식 교류 및 전문가 멘토링
- ▶ 글로벌 SW 기업 투어를 통한 SW 융합인재로서의 자질 및 역량 제고

USC Program

USC Viterbi

School of Engineering

Integrated Media Systems Center

Program Objectives

- Provides students with the knowledge and skills to:
 - understand the fundamental technical challenges created by large data environments
 - effectively collect and manage big data, perform data-driven discovery and prediction, and extract value and competitive intelligence
 - utilize technical/engineering skills coupled with hands-on data science projects to provide solutions to social problems



USC Facts and Figures

- Founded- 1880
- Students (Fall 2018)
 - Under : 20,000 Graduate: 27,500
 - International: 23.9%
 - Undergraduate Tuition: \$55,320
- Alumni: more than 375,000 living alumni world wide
- USC Budget (2017~2018): \$4.9 B (5.5조원)
- Faculty & Staff: 19,500 (+ student workers: 7,800)
- The largest private employer in the city of LA



Faculty Numbers



Academic Departments

- Aerospace and Mechanical Engineering
- Astronautical Engineering
- Biomedical Engineering
- Computer Science
- Daniel J. Epstein Department of Industrial and Systems Engineering
- Ming Hsieh Department of Electrical Engineering
- Sonny Astani Department of Civil and Environmental Engineering
- The Mork Family Department of Chemical Engineering and Materials Science

USC Facts and Figures

Windows taskbar: e, folder, Chrome, Word, Outlook, PowerPoint, Edge, Word, Word

Browser tabs: Facebook, SovereignWallet-Network, SovereignWallet-Network, Microsoft Word - BigData, USN Best Engineering Schools

Browser address bar: <https://www.usnews.com/best-graduate-schools/top-engineering-schools/eng-rankings?name=University%20of%20Southern%20California>

USNews & World Report EDUCATION » Home Colleges Grad Schools Online Colleges Global Universities High Schools

HOME / EDUCATION / GRAD SCHOOLS / BEST ENGINEERING SCHOOLS

Best Engineering Schools

Ranked in 2018

Before you can make your mark as an engineer, you need to find the graduate school that can best help you build your skills. With the U.S. News rankings of the top engineering schools, narrow your search by location, tuition, school size and test scores. [Read the methodology »](#)

For full rankings, GRE scores and student debt data, sign up for the [U.S. News Engineering School Compass](#).

Facebook, Twitter, More

CARD VIEW TABLE VIEW

1 schools Engineering Schools X University Of Southern California X CLEAR ALL SORT BY: Rank (high to low)

PROGRAM RANKINGS ^
Engineering v
All Specialties v

SCHOOL NAME ^

University of Southern California (Viterbi)

Los Angeles, CA

🏆 #10 in Best Engineering Schools (tie)

The Andrew and Erna Viterbi School of Engineering at University of Southern California (Viterbi) has an application... [READ MORE »](#)

TUITION
N/A

ENROLLMENT (FULL-TIME)
3,980

AVERAGE UNDERGRADUATE GPA
Unlock with Compass

USC Facts and Figures

Did You Know?

USC Viterbi

The CS Department ranks **12th** on the *U.S. News and World Report* 'Best Global Universities for Computer Science' list.

Did You Know?

USC Viterbi

Viterbi's Online Graduate Programs maintain top national rankings:
Computer Science Program is #1 and the **Engineering Program is #2.**

Did You Know?

USC Viterbi

USC Viterbi is ranked #1 by *U.S. News & World Report* for Graduate Engineering Programs With the Most Women!

Did You Know?

USC Viterbi

USC Games was named **#1** video games program by The Princeton Review for the **6th year in a row.**

Did You Know?

USC Viterbi

About **10%** of USC Viterbi's faculty are elected members of the National Academy of Engineering.

Overview of Summer Program

- **Period:** June 29 (Sat)~July 25 (Thur), 2019
- **Classes:** July 1~15, 2019
 - Topic : Project Oriented Introduction to Data Science
 - 6 hours per day X 10 days = 60 hours
 - Instructors : Seon Ho Kim, Yao-Yi Chiang, Luciano Nocera
- **One Day Hackathon:** July 16, 2019
 - Theme : Social data analysis with open datasets
 - Participants : SSU students and local students/professionals
- **Industry Tours:**
 - 2 Local industry tours: in the afternoon on July 5 and 12
 - US West industry tour: July 17~25, 2019

Schedule of Summer Program

Monday	Tuesday	Wednesday	Thursday	Friday	SAT/SUN
June 24	25	26	27	28	June 29/30
					June 29 - Arrive at LA - Check in June 30 - Free time
July 1	2	3	4	5	6/7
9-11: Orientation 11-12: Overview of DS 12-13:30: Lunch 13:30-15:30: Big Data 15:30-16:30: Project Idea	9-12: Hadoop 12-13:30: Lunch 13:30-16:30: Project Design	9-12: Database 12-13:30: Lunch 13:30-16:30: Labs	Independence Day Holiday. No Class.	9-12: Overview of Data Analysis 12-13: Lunch 13-17 Industry Tour	
8	9	10	11	12	13/14
9-12: Machine Learning 12-13:30: Lunch 13:30-16:30: Labs	9-12: Data Mining 12-13:30: Lunch 13:30-16:30: Labs	9-12: Data Visualization 12-13:30: Lunch 13:30-16:30: Labs	9-12: Visualization Tools 12-13:30: Lunch 13:30-16:30: Labs	9-12: Advanced Visualization 12-13: Lunch 13-17 Industry Tour	
15	16	17	18	19	20/21
9-12: Project Review 12-13:30: Lunch 13:30-16: Presentation 16 :Certificate Ceremony	9 AM – 9 PM All Day Hackathon	9AM: Check out Tour Day 1	Tour Day 2	Tour Day 3	Tour Day 4 & 5
22	23	24	25	26	27/28
Tour Day 6	Tour Day 7	Tour Day 8	Tour Day 9 July 25 Leave for Seoul		

Morning Lecture: 9 AM – 12:00 PM

Lunch Time: 12 PM – 1: 30 PM

Afternoon Labs: 1:30 PM – 4:30 PM

Tour Schedule (Tentative)

- Provide opportunities to meet industry leaders and tour their facilities
- Along Pacific Coast, companies like Apple, Google, Microsoft, Amazon, etc.

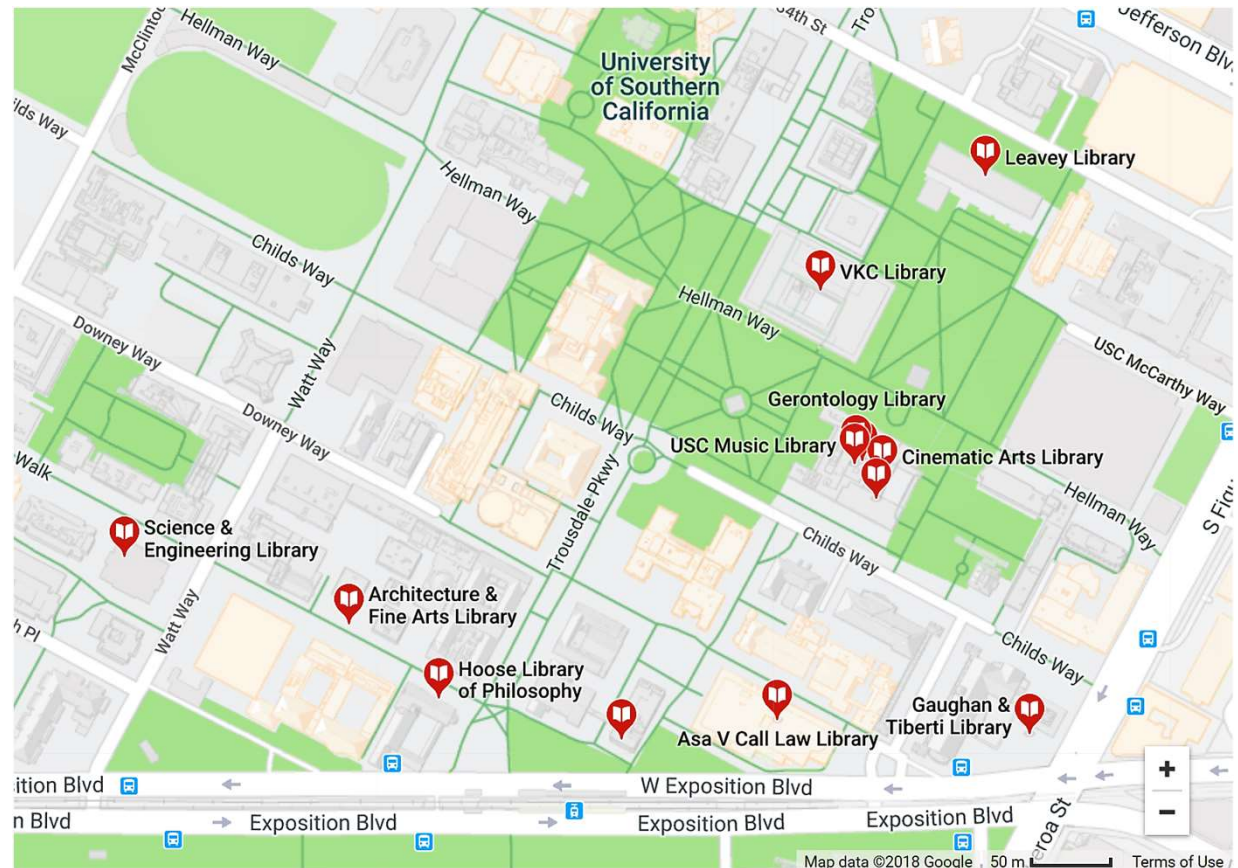
날짜	지역	호텔명
7/17/19	프레즈노	WYNDHAM GARDEN FRESNO 또는 동급
7/18/19	샌프란시스코	CROWNE PLAZA UNION CITY 또는 동급
7/19/19	샌프란시스코	CROWNE PLAZA UNION CITY 또는 동급
7/20/19	샌프란시스코	CROWNE PLAZA UNION CITY 또는 동급
7/21/19	새크라멘토	MARRIOTT SACRAMETO 또는 동급
7/22/19	오레곤	HOLIDAY INN OREGON 또는 동급
7/23/19	시애틀	HOLIDAY INN SEATTLE 또는 동급
7/24/19	시애틀	HOLIDAY INN SEATTLE 또는 동급

USC Campus Life



USC Locations to Know

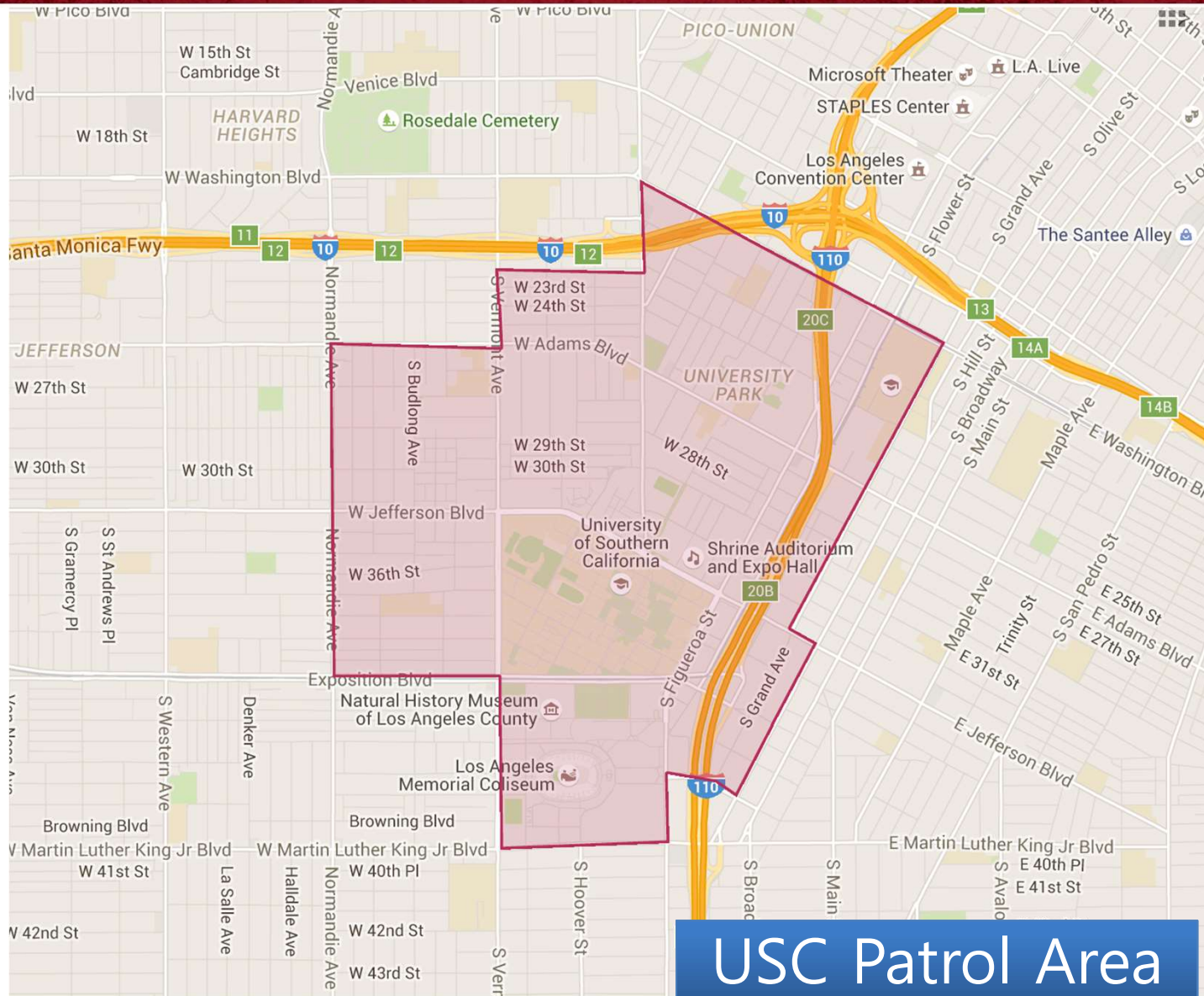
- Many open libraries
- Leavey library is the best for group studying
- Many books and articles can be searched and viewed online



Things to Know

- USC wireless network is fast and every where:
 - guest wireless (open to public)
 - secure wireless (password protected)
- Don't use peer-to-peer network inside USC
 - Torrent No! No illegal network use (e.g., downloading)
- **캠퍼스 내 음주는 정해진 이벤트 장소에 한정. 만 21세 이상 (그외 불법)**
- **캠퍼스 경찰과 보안 요원의 말을 따를 것 (체포권이 있음)**
- **물리적인 접촉, 충돌 자제 (미국엔 총이 있음)**
- **USC 캠퍼스 주변은 경찰과 보안요원들에 의해 관리되어 안전. 하지만 밤에 혼자 걸어 다니지는 말 것 (어느 대도시든 상식적으로)**

USC Campus Safety



Places to See



LA Metro

