Silicon Valley Software Technology & Innovation Program
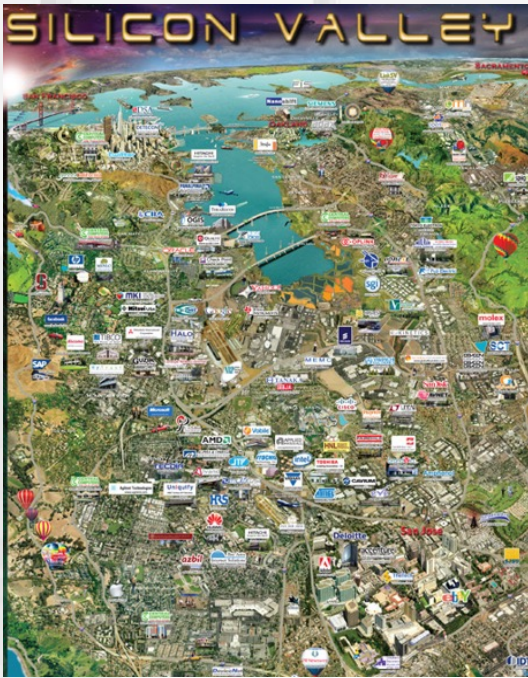## 4 Weeks (1/24/2022 – 2/18/2022)

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Silicon Valley Center for Operations & Technology Management

San Jose State University

- **Founded in 1857**

- **The first public higher institution in western United States**

- **In 1882, opened a branch in Los Angeles, then became UCLA in 1927**

- **226,000 network of alumni**

- **33,025 students in Fall 2020**

- **#1 provider of engineering, science and business graduates to Silicon Valley**

- **The most alumni at Apple**

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Program Schedule

Week 1	1/24	1/25	1/26	1/27	1/28
Session 1-I (8:30AM-10:30AM)	Int. to the Program & Team Building (Meeting with mentors)	Design Thinking	IT/Software Commercialization and Business Plan	Big Data Analytics II	Mobile applications development I
Break					
Session 1-II (11:00AM-1:00PM)	SV Innovation I	SV Innovation II - Ideation	Big Data Analytics I	Fireside Chat I with SV Professionals (Topic: SV SW Technology Trend)	Mentoring Project
(2:00PM-5:00PM)	Working on the Team Project				
Week 2	**1/31**	**2/1**	**2/2**	**2/3**	**2/4**
Session 2-I (8:30AM-10:30AM)	Mobile applications development II	Go-To-Market II	Virtual SV Company Tour I (Theme: SV SW Industry & Its Culture)	Mentoring Project	Beyond AI - Future of AI and Artificial Sensibility
Break					
Session 2-II (11:00AM-1:00PM)	Go-To-Market I	Machine Learning & Artificial Intelligence I	Machine Learning & Artificial Intelligence II	Artificial Intelligence Convergence	Project Progress Report Presentation I
(2:00PM-5:00PM)	Working on the Team Project				
Week 3	**2/7**	**2/8**	**2/9**	**2/10**	**2/11**
Session 3-I (8:30AM-10:30AM)	Software Startup Financial Planning I	Software Startup Financial Planning II	Virtual SV Company Tour II (Theme: SV SW Startups)	Mentoring Project	IoT and Embedded Systems II
Break					
Session 3-II (11:00AM-1:00PM)	DevOps I	DevOps II	Fireside Chat II with SV Professionals (Topic: SV software industry practices)	IoT and Embedded Systems I	Project Progress Report Presentation II
(2:00PM-5:00PM)	Working on the Team Project				
Week 4	**2/14**	**2/15**	**2/16**	**2/17**	**2/18**
Session 4-I (8:30AM-10:30AM)	Cybersecurity I	SQA and Test Automation I	Presentation / Pitching Skill	Mentoring Project & Project Presentation	Project Contest & Award Ceremony
Break					
Session 4-II (11:00AM-1:00PM)	Fireside Chat III with SV Professionals (Topic: SV Work Culture & Job Search)	Cybersecurity II	SQA and Test Automation II	Presentation Rehearsal & Mentoring	
(2:00PM-5:00PM)	Working on the Team Project				

(Tentative schedule, and it's subject to change. All times are local time in Korea.)

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Silicon Valley Software Technology & Innovation Program

- **SVSTIP Aims to Help Students**
    - Learn emerging technologies and innovations of Silicon Valley
    - Understand business opportunities and innovation challenges
    - Apply learnings to developing an innovative technology project
    - Experience Silicon Valley business/innovation practices and work cultures

- **4 Weeks of Intensive Program, consists of…**
    - **Technology Track**
        - ✓ Big Data Analytics
        - ✓ Mobile applications development
        - ✓ Machine Learning & Artificial Intelligence
        - ✓ Beyond AI –
        - ✓ IoT and Embedded Systems
        - ✓ DevOps
        - ✓ Cybersecurity
        - ✓ SQA and Test Automation
    - **Business Track**
        - ✓ SV Innovation – Ideation
        - ✓ Product Commercialization
        - ✓ Design Thinking
        - ✓ Go-To-Market
        - ✓ Software Startup Financial Planning
    - **Project Track**
        - ✓ Mentoring
        - ✓ Presentation / Pitching Skill
    - **Fireside Chat Track**
        - ✓ SV SW Technology Trend
        - ✓ SV software industry practices
        - ✓ SV Work Culture & Job Search
    - **Industry Learning Track**
        - ✓ Virtual company tours

- **Certification and Project Competition Awards**

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Instructors

- **Kent Kaufman** - CEO of Growth and Leadership Center in Silicon Valley

- **Hans Cheung** – a DevOps engineer at Adobe Systems

- **Dave Wang** - a machine learning engineer at Cisco SAIL (Speech AI Lab)

- **Saravana Krisnamurthy** - VP of Product Management at MariaDB

- **Steve Artim** - CEO of FeverCoach a fast-growing Digital Diagnostics Medical App company applying AI to diagnosis of COVID-19 and Influenza.

- **Hyunglim Ji** – a consultant on product development, and marketing at global high-tech companies

- **Seshadri Paravastu** - a tech-savvy business leader. His 25-year career spans corporates, high-growth companies, and start-ups in Silicon Valley

- **Jun Sun** - co-founded a startup company, Netspectrum, that developed the first Linux-based SmartSIM product and enabled mobile applications directly from SIM card

- **Soumitra Lahiri** - a software quality assurance professional with 20+ years of experience in Mobile / Web / Networking / Consumer Electronics domains

- **Jon Sung** – a product leader on the research and development of enterprise security solution at Shape Security, part of F5

- **Michael Nguyen** - a Human Resources/Immigration Specialist, responsible for strategizing and coordinating human resources

- **Satheesh Jayakumar** - architect, security/privacy evangelist, chief tinkerer

- **KooHyung Lee** - founded NeuroSky in Silicon Valley, is working as a Chief Technology Officer (CTO)

- **Julien Pierret** - a senior machine learning engineer at AppFolio

Industry Affiliation for Virtual Visits and Fireside Chat

4주 동안 정말 많은 것을 배우고 많은 경험을 했습니다.

그 동안 교수님들 멘토분들과 on-line 이었지만 많은 커뮤니케이션 하면서 친근감을 느끼고 가까워진 것 같은데 이렇게 끝이 나네요. 4주 동안 정말 많은 것을 배우고 많은 경험을 했습니다. 지난 3년 동안의 대학생활보다 이번 4주 동안 더 많은 것을 배운 것 같습니다. 그리고 학교에서 배우지 못하는 것들, presentation 방법, 마케팅전략... 이 경험들은 정말 금과 같다고 생각합니다. 이렇게 성공적인 프로젝트를 할 수 있었다는 것, 정말 자신감 없고 걱정만 가득했던 저에게는 인생의 터닝포인트가 될 것 같습니다. 매우 귀한 시간이었습니다. 이때까지 그렇다 할 작품들을 만들지 못했고 학교수업에 따라가기 바빴기에 저 스스로도 바뀌어 보고 싶어서 도전하는 마음으로 시작했습니다. 첫 도전이 이렇게 만족스러운 결과를 보여줬기에 저 스스로도 많은 자신감이 붙은 것 같습니다. 이런 기회를 주신 교수님들과 멘토님들 정말 감사합니다.

기업경영, 전공 관련 지식에 대해서 많은 것을 얻었습니다.

짧다면 짧고 길다면 긴 4 주 동안 수준 높은 강사진에게 수준 높은 수업들을 듣고 제품을 구상하고 판매 전략을 직접 세워보는 과정을 거치면서 많은 발전을 한 것 같습니다. 저희 조의 조장을 맡아 좋은 사람들과 진지하게 스타트업의 방향을 정하고 발전해나가면서 성취감과 자신감을 많이 얻은 것 같아서 좋습니다. 예전부터 해보고 싶었던 기업경영에 대해서도 제 전공 관련 지식에 대해서도 많은 것을 얻어가서 뜻 깊은 4주였다고 생각합니다.

훌륭한 프로젝트를 완성시킬 수 있고, career에 보석같은 존재가 될 것입니다.

이 프로그램을 시작하기 전에 많은 걱정이 있었습니다. 영어로 진행되는 강의고 뭔가 엄청난 프로젝트를 해야 되는데 할 수 있을까 걱정이 많았습니다. 하지만 커리큘럼을 하나 하나씩 듣고 멘토링받으니까 저도 할 수 있더라고요. 이 경험은 앞으로 저의 career에 정말 보석같은 존재가 될 것입니다. 모든 분들이 친절하시고 잘할 수 있도록 격려해 주십니다. 이분들을 믿고 따른다면 훌륭한 프로젝트를 완성시킬 수 있을 겁니다.

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