Software Faire 2015

Senior projects for

CS 191  Senior Project
CS 194  Software Project
CS 210  Software Project Experience with Corporate Partners
Software Faire 2015

Faire Showcase Map

**ARCADE**
- Automotive
- Virtual Reality and Wearables
- Business and Commerce
- Software Development
- Education

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**Presentation space**

**Research**

**Social and Entertainment**

**Productivity**

**Health and Biotech**

**JUDGING AND STAFF ROOMS UPSTAIRS**

**RESTROOMS**

**FOOD**

**ARCADE**

**TO OVAL ↓**

**talks start at 12:30**

**Software Faire 2015 Faire Showcase Map**
Software Faire 2015

Faire Guide

Automotive  

0  **ConnectedDrone**  
Ellen Sebastian, Michael Weingert, Shaurya Saluja, Kevin Heh, Alejandro Ceballos  
Drone solution for finding parking

1  **Parq by IBA**  
Calvin Studebaker, Raymond Kennedy, Leigh Hagestad, Narek Tovmasyan  
App to make finding parking easier

2  **Osprey Drones**  
Tyler Fallon, Raymond Chan, Seth Hildick-Smith, Sean Kemper, Aditya Sarkar  
Drone solution for remote car filming

3  **Road Heading**  
Moustafa Asfour, Anthony Fowler, Cleophus Robinson, Sharleen Tu  
A place to share and discover road trips

4  **Solar Car Telemetry: Daisy**  
Kelsey Josund, Gawan Fiore, Harrison Ho  
Telemetry for the Stanford Solar Car Project

5  **Team Conduit**  
Nathan Eidelson, David Eng, Sherman Leung, Nisha Masharani  
Electric vehicle owner network to improve public charging

6  **Zephyr**  
Bridge Eimon, Megan Faulk, Jason van der Merwe, Miraj Rahematpura, Austin Whittier  
App to help novice racers improve lap times
Virtual Reality and Wearables

10 Jarvis
Mindy Huang, Jithin Thomas, Raven Jiang, Ryan Diaz, Audrey Ho
Build virtual worlds in virtual reality

11 GraviTeam by VRTEX
Cody Karutz, Alec Winograd, Kyle Dumovic, Roshan Vid, Xiaonan Tong
Team building experience for virtual reality

12 SyncRow
XiaoSong Mu, Kevin Ramdass, Megan Hansley, Gavilan Galloway, Alexander Zamorzaev-Orleanschii
Wearable insights for competitive rowing

13 Portal Wars
Ian Proulx
Futuristic first-person shooter with portals

14 Tactile VR
Kelsey Josund, Gawan Fiore, Harrison Ho
Haptic feedback for virtual reality

15 Karaage
Arun Kulshreshtha, Wendy Shi, Ben-han Sung, Alex Wang
Level designer and greyboxing solution for virtual reality

16 Koblt
Aaron Broder, Andrew Khor, Brian Lam, Nhien Tran, Travis Le
Unreal SDK for connecting Oculus Rifts and web devices

17 Curve by WatchIt!
Jocelyn Neff, Abaho Katabarwa, Kuan Peng, Ish Menjivar
Wearable application to improve golf swings
Business and Commerce

20 AdForAll
Inseong Cho, Chan Lee, Daniel Liem
Location-based ad platform for small business owners

21 DST JobWorks
Steven Qian, Tony Wang, Camilo Arevalo
Employment tool to help integrate the homeless into the workforce

22 Lawyer Link
Manni Cavalli-Sforza, Michael Hang, Bavin Ondieki
Referral engine for legal questions and lawyer connections

23 Mews
Kelvin Do, Kevin Lu, Remy Xue
Location visualizer for important world news

24 Quoting POTUS
Justine Zhang
Identifying political bias in journalism

25 TweetBoard
Pedro Sanzovo, Anna Brezhneva, Zach Ellison, Paul Martinez
Campaign analytics for Twitter
# Software Development

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<td>Eduvention</td>
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Education

40 **Annomate**
*Ben Blankenmeister, Stephen Cobbe, Helen Chavez, Brian Wai*

Student annotations on remote video learning

41 **ClassPath**
*Pat Boonyarittipong, Devon Hinton, Gary Olivera, Dalton Petursson*

Simple academic career planning and course discovery

42 **Dina**
*Estefania Ortiz, Hassan Karaouni*

Q&A platform to connect high school students with educators

43 **Ravenswood Reads Toolkit**
*Juliana Cook, Elena Frey, Meredith Marks, Lucas Throckmorton*

Activities and curriculums to promote literacy in K-3

44 **Roomie**
*Nico Cserepy, Anna Yelizarova*

App to simplify the on-campus housing process for students

45 **Virtual Collab**
*Fan-Hal Koung, Pinnaree Tea-mangkompan, Dennis Wang, Hanna Winter*

Web-based, real-time student collaboration tool
# Health and Biotech

## 50 Automating the Analysis of Dendritic Spine Data Sets

*Druthi Ghanta*

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## 51 DermAid

*Angad Gogia, Lindsay Willmore, Aaron Holden, Joel Gottsegen*

Computer vision app for personal skin healthcare

## 52 Elixir

*Tanner Gilligan, Abraham Starosta, John Ekins*

Medical social network for doctors and students

## 53 Medical Pill Image Recognition

*Raiyan Khan*

Pill recognition system to improve patient compliance

## 54 Mouse Model for Eyeball

*Arthur Brant*

Identifying expression differences for macular degeneration

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# Research

## 60 Analytics on Large Scale Graphs with Attributes

*Sheila Ramaswamy*

## 61 Convex.jl

*Jenny Hong*

Modeling environment for disciplined convex programming in Julia

## 62 PredictionIO classifier

*Ling-Ling Zhang*
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63 RoboBrain Query System
Michela Meister

Knowledge graph to help robots navigate their world

64 Smart Scene Interaction for Text2Scene
Mihail Eric

65 Solo.
Kamakshi Duvvuru

Model for measuring relevance between multiple narratives

66 Data Serialization Syntax
Brandon Azad

Abstract syntax for describing data structures and serialization

Social and Entertainment

70 Catan
Vincent Paul Carroll, Puneeth Gadangi, Cynthia Day

Browser-based Settlers of Catan with multiplayer

71 Foodbook
Connor Woodson, Jessica Sagen, Ryan Ballenger

Recipe repository and community for fellow chefs

72 ForgetMeNot
Stephanie Zhan

Reminder tool for local events and activities
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80 ProSync
Shubham Goel, Saurabh Sharan
Music playback synchronization across a cluster of machines

81 Mean Switch
Jason Clavelli
Custom software defined networking switch for diagnosis

82 StacksWare
Vivek Nair, Phillip Jones, Forrest Browning, Doug Safreno, Rahul Mitra
Agentless license management solution for virtual desktop infrastructures

83 IT. issue by DVation
Andrew Giel, Jonathan NeCamp, Hussain Kader, Santiago Seira
Machine learning solution for IT ticket resolution

84 Ruby on Rails
Alex Grover, Brandon Gottfried, Ryan Perez, Steven Longoria
Visualizer for Ruby on Rails projects

85 mydo
Jan Dlabal, Alanna Tempest, Keenon Werling
App to rethink creating and completing todo lists

86 Spark by TreeSAP
Joseph Baena, Jorge Aguirre, Brian Jang, Joel Kek
Digital collaborative environment for the Business Model Canvas