

DigiForge Tech Conference March 14, 2017: Student Application

Student Name _____

School _____

Male _____

Female _____

Grade _____

Date _____

Please indicate your 1st, 2nd, 3rd, 4th and 5th choices for breakout sessions, by placing an "X" in the appropriate box.

Sessions		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
SUGGESTED	Mingle w/Sponsors Student in this session will spend time visiting and talking one-on-one with tech companies/organizations like SpyHop, The Leonardo, Google Fiber, Adobe, Oracle, SLCC, Bowen Studios and Underbelly Creative,					
	Josh Elstein, SLCC Center for Arts & Media SLCC Campus Tour Want to tour the SLCC South City Campus including the state-of-the-art Center for Arts and Media? Go for a little jaunt and learn what programs are available through SLCC. See the awesome learning environment and tools available for use.					
	Ben Miller, MartizCX Database Careers Live & In-Person Have you ever thought about how much data you interact with every day? The question of the day will be "What is a Database and why do I care?" This presentation will demonstrate what database careers are all about and what "database people" think about. Have fun while learning all about databases and why they're important to you.					
	Matt Smith, Fernando Riberio Hands-on Coding Coding will change your life; now is the best time in your life to be coding! This interactive workshop will increase your awareness and enhance your abilities in the world of coding. We will provide mentored training and share tips and the best resources available.					
	Chris Manfre, SpyHop 3D +2D = Awesome: An Advanced Design Mash-Up Using Cinema4D and Photoshop You will learn how to create a super rad sci-fi movie poster. Learn advanced design techniques while combining 3D and 2D graphics into a mixed and mashed-up digital illustration.					
	Emily Orton, Student Puzzled? Let an Algorithm Work It Out This class will help you think about how to solve problems using computers. We will complete several examples and puzzles that will get help you understand how a computer thinks.					
	Tyra Crockett, Oracle Getting Started with Java Using Alice Getting Started with Java Using Alice is designed for teachers, students and individuals with little or no programming experience and teaches basic Java programming concepts through developing 3-D animations in Alice 3.1. Alice is a free, educational, introductory Java development environment created at Carnegie Mellon University. While it is suitable for all beginning learners, it can be especially engaging for girls. Learners will have fun creating animated stories and games using objects and characters from a rich gallery of 3-D models.					
ADVANCED	Ken Anderson, Adobe Artificial Intelligence: Friend or Foe? As early as 1940, the inherent risk of Artificial Intelligence has been contemplated by scientists. By 1950, bright minds had crafted the "Turing test" to identify true AI, and the "Three Laws of Robotics" to protect us from it. Sixty-six years ago, AI seemed absurd. Today, with self-driving cars and computers that can converse, AI is certainly on the horizon. Answer this: If AI is born tomorrow, can we really control it?					
	Hacking 101 Trent Bond We will discuss the top 5 most useful hacks used in the industry. Learn how to talk to a router and what you can do with them. What can you do to protect yourself such as Password management and data management?					

	<p>Scott Golightly</p> <p>Are You Smarter Than a Computer? Do You Need to Be?</p> <p>Many factors have led to a revolution in the technology sector. From digital assistants like Siri and Cortana to self-driving cars from Google and Uber we have technologies that promise to make our lives easier. In this session, we will talk about the technologies and techniques that drive these innovations and look at some that are available for people to use right now.</p>					
	<p>Liz Schulte, SpyHop</p> <p>12 Principles of Animation</p> <p>Experience the classics in animation and learn the techniques to make your own. From hand drawn flipbooks to digital renderings, learn what software and hardware to use. Learn tricks of the trade for animation.</p>					
	<p>Brady Hartog, Canyons Student</p> <p>An Introduction to Digital Design and Illustration</p> <p>Digital design and illustration has myriad applications in today's rapidly expanding digital ecosystem. Come attend a crash course in using Adobe Illustrator and participate in an interactive tutorial to create your own vector illustration. Along the way, you'll learn about vector graphics terminology, color models, illustration tools, and possible careers for applying your new skills. The interactive tutorial will consist of leading the students step-by-step in creating a vector illustration (of, for example, a dog, an apple, etc., something simple). This will be coupled with active commentary about relevant terms, concepts, etc.</p>					
	<p>Paul Milham</p> <p>Introduction to Game Development with PICO-8</p> <p>Game development can be an exciting career path and a great way to learn programming; Many professionals discover their love of code first through game development. We'll make a small game together using PICO-8 and the Lua programming language. By the end of the session, you will have some exposure to the PICO-8 toolset and Lua and be on your way to make your own games. Get excited!</p>					
	<p>John Renstrom, Hexagon Manufacturing</p> <p>From Gaming to Metrology – Why I Love What I’m Doing Now</p> <p>I worked in gaming for 10 years and quit to work in Metrology; it was the best decision I ever made. Metrology lies at the heart of any successfully engineered project and so it touches all sorts of industries including cell phones, NASA, automotive, and the military. Come learn about my personal journey and find out about a great paying technology field you’ve probably never heard of.</p>					
	<p>Lisa Diercks, FBI</p> <p>Fighting Crime with Computers and Technology</p> <p>When many people think of Computer Science, they think of programming for a technology related company. What they don’t always realize is that a Computer Scientist can do much more than that in many other fields. For me, this other field was criminal justice. Find out how I became a Computer Scientist for the FBI. Learn how technology can be used to catch hackers and criminals using computer forensics, malware analysis, incident response, and custom program creation.</p>					
	<p>Tim Clark, Neumont University</p> <p>Hot Technology Jobs You Never Knew Existed</p> <p>There is a misconception plaguing the academic world that if you study IT or Computer Science you are destined to sit at a desk all day programming or running around being technical support for everyone. There is more to IT than programming and computer/network administration. In this session, we will explore the vast number of positions available within IT, that both demand high salaries and do not require extreme programming or information system skills.</p>					
ADVANCED	<p>Jeff Engebretsen</p> <p>Naked Android</p> <p>There are many ways to write an Android app. If you look at public projects, it can be confusing what is Android specific and what is from the frameworks or libraries that the project is using. Here we will strip all of that away and look at Android development using only the core tools (Android Studio, the Android SDK, and the Android Emulator) and patterns (Activities, Fragments, Views, and Lifecycles). While we won't be doing much live coding, some programming knowledge is assumed.</p>					