

## PDI Career Pathways in IT and Gaming Notes 2.26.21

- Welcome and Housekeeping
  - Register for upcoming workshops
    - March 5th - gap funding and scholarships
    - April 2nd - year in review roundtable
    - Career pathways w/ STEMSTL - next workshop March 26th
- Check In

Tiph Davis - Workforce Solutions Group

- IT Labor Market Overview
  - Top employers - IT specific (as of Jan. 2021)
    - Boeing
    - Wells Fargo
    - Centene
    - AT&T
    - Leidos
    - KPMG
    - Mastercard
    - Systel, Inc
    - Spectrum
- STL Region Real Time Labor Market Summary
  - Now - occupations typically require short-term on-the-job training
  - Next - occupations require non-degree certificate, associate degree, apprenticeship.
  - Later - occupations requiring Bachelor's degree
- Occupations with at least 1% growth
  - Software Engineer
  - IT Network & Security Technician
  - Network Engineer/Administrator
  - Computer User Support Specialist
  - Senior Software Engineer
  - Database Administrator and Architect
  - IT is still a booming market! - pointed towards cyber security right now
    - Hoping to see growth in geospatial work/geospatial mapping this year (jobs aren't available YET)

Kevin Andert - ED of Career & Technical Education and College & Career Readiness at Special School District of STL County

- Networking administration branch out
  - IT really focuses on related experience - can bypass certain educational pathways with the right experience
    - Some certifications mean more than others - practical application as well as written usually carry more weight
  - Lots of opportunities as you work up the education ladder (high school diploma, associate's degree, bachelor's degree)

- Culture varies greatly between businesses in IT
- Helpful to use the branch-out poster in tandem with job descriptions to figure out best course of action for students
- Question - is it just the reputation of the certification that makes it valuable?
  - Yes, it really depends what aspect of IT you are in, as well as if the certification is global vs. independent
- Amber from CyberUp - in our experience are looking more for certification and hands-on experience than a degree

Joe Kelly - Power Up: CyberGames (CyberUp)

- This is a monthly youth cyber security competition series
  - A team competition where you work together to solve cyber security problems
- Anyone interested in technology should join!
  - Students seeking a challenge, puzzle solvers, the ones who want to learn
  - Teamwork
- Games are once a month from November - May
  - Last for 3 hours, can do it anytime over the 3 days the competition is held on
- Contact to enroll: Mike Bryan - [powerup@wecyberup.org](mailto:powerup@wecyberup.org)

Lindsey Forsythe - STL Youth Jobs

- 2021 Launch - Discover You
  - Provides youth ages 14-15 with training and work-based learning experiences
  - Career pathway exposure
  - Career shadowing opportunities
  - Peer engagement
  - Connection to a Job Coach for life skills support, mentoring, and individualized career support
  - Participants will receive financial literacy and job training
  - Can be paid a stipend upon completion
  - Benefits: early understanding of industry skill requirements, improved knowledge of workplace expectations, broader awareness of careers available, enhanced self-esteem and self-confidence in workplace, and improved money management skills
- Summer Work Experience
  - Connects youth (ages 16-24) to in-person and/or remote job opportunities
  - Job readiness and financial literacy training
  - Support and mentorship from a Job Coach
  - Can work 15 hours per week, 160 hours total, \$10.50/hr
- Career Accelerator Pathway
  - Connects STL Youth Jobs and SLIP alumni (ages 18-24) to job opportunities aligned with their career/post-secondary interests
  - Advanced training and professional development opportunities
  - 25 hours per week, 160 hrs total, \$12.50/hr
- Contact: [lindsey@stlyouthjobs.org](mailto:lindsey@stlyouthjobs.org) , [jerica@stlyouthjobs.org](mailto:jerica@stlyouthjobs.org)
- Question - what students are eligible for STL Youth Jobs?

- This year, 15-24 year olds living in one of our target neighborhoods/municipalities (32 neighborhoods, 33 municipalities in the city) - info of these are on their website
- Next year includes 14 year olds
- First come, first served
- Question: Is the CAP Program open to college students that have not participated in any other STL Youth programs?
  - It is primarily open to students that were involved in STL Youth Jobs and SLIP

Lin Wang - Chief Program Officer at LaunchCode

- Education program - provides FREE technical training for individuals looking towards a new career in tech
  - Want accessibility for all, eliminating barriers
- Apprenticeships program - works in St. Louis, Kansas City, NW Arkansas, Philadelphia
- Launched 2000+ careers thus far
- Opportunities for high school students
  - Discovery - free, self-paced online program for beginners to learn some of the fundamental skills and building blocks for computer programming
    - Previous coding experience not needed
    - Designed to be completed in small steps over 1-2 months
    - [www.launchcode.org/discovery](http://www.launchcode.org/discovery)
  - LCHS - gives high schools access to affordable computer science curriculum and provides teachers with training to prepare them as computer science instructors
    - Train teachers and then teachers train their students w/ ongoing support from LaunchCode
    - [www.launchcode.org/lchs](http://www.launchcode.org/lchs)

Marissa Griffin-Luna - Girls Who Code

- 2-week program in summer
  - Careers - students spend summers with top-tier companies, industry leaders, inspiring role models
  - Skills and impacts - students learning HTML, CSS, and JavaScript through hands-on learning and real-world projects
  - Sisterhood - students become lifelong members of this network!
- Open to girls and non-binary students who are rising sophomores, juniors, and seniors
  - Program is geared towards beginners!
- Applications at: [www.girlswhocode.com/sipapply](http://www.girlswhocode.com/sipapply)
  - Deadline is March 19th!!

Amber Lowry - Program Director at CyberUp

- Cybersecurity is a growing industry with great opportunities for career advancement and growth
- Pre-Apprenticeship Program - prepares candidates for success in CyberUp's apprenticeship program
  - What you will earn: CompTIA Security+ certification
  - Paid, on-the-job training in the actual career field - starting salary is at least \$15/hr

- Eligibility:
  - 18 years or older
  - High school diploma
  - No previous IT/cybersecurity experience needed
  - \$100 assessment fee
- Apprenticeship program
  - What you will earn: Department of Labor journeyman certification
- Register for May 25th or 26th Info Session at: <https://wecyberup.org/info-session>

Dr. Henning Lohse-Busch - Geospatial Institute

- Representation of the World Around Us: from Maps to RT Augmented Reality Apps
- GIS - a tool that applies data analysis in a geographic framework
  - Remote sensing - satellite imaging, drones, LIDAR
  - Data analytics - big data, AI, computer coding, etc.
- Example: Agriculture Transformation through Remote Sensing, Location Science, and Big Data
  - Agriculture challenges → Geospatial Science and Technology → Actionable Solutions
- GIS is good if you are interested in math, computers and coding, and geography
  - Lots of careers available in the GIS field
- [www.slu.edu/geoslu/geoslu-seminar.php](http://www.slu.edu/geoslu/geoslu-seminar.php)

William Hocker - IT Department Coordinator at St. Louis Community College

- 2 A+ courses and a security course
- Can give high school students credit for prior learning
- Support CISCO academies
  - This summer - offering free instructor training

Margaret Hvatum - STLCC Software Developer Program

- Full Stack: a Software Developer who can develop both the User Interface/User Experience (UX) Front End and the Database/Programming Back End
  - Front End - complete in 1 semester full time or 2 semesters part time
  - Back End - complete in 2 semesters full time or 3-4 semesters part time

Caiterra Matthews + Tia Byrd - NPower

- Train young adults with future-ready skills that prepare them for long-term professional success
- NPower Tech Fundamentals: 23-week free tech training → Professional Development 7-week paid internship → Personal Development, Social Services → mentors, guest speakers, coaching → tech industry input and engagement
  - Goal in the end is to get an individual to become an employed professional!
  - Available to 18-25, HS Diploma or GED/Authorized to work in the United States
- Application: [www.npower.org/apply](http://www.npower.org/apply)

Kate Polokonis - Announcements

- Maryville University's ESports Program and Scholarship

- STEMSTL is seeking youth board members - available for 7th-12th graders, they will help us figure out how to improve quality STEM education in STL! Year-long commitment,
  - Application: [https://docs.google.com/forms/d/e/1FAIpQLSdDHhz7Ow2wkn4xuQS31ud4-SNxNK8kBWqkbqdOVWdssUKpw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdDHhz7Ow2wkn4xuQS31ud4-SNxNK8kBWqkbqdOVWdssUKpw/viewform?usp=sf_link)
- Missouri First Programs
  - First Tech
  - First Robotics
  - Contact: [lroth@firstpartners.org](mailto:lroth@firstpartners.org)

## CHAT NOTES

10:19:52 From Laura Winter : Gateway Global presented earlier this fall. Here is a link to notes and our YouTube recordings of previous workshops.

10:19:54 From Laura Winter : <https://stlouisgraduates.org/home/pdi-2020-21/>

10:19:55 From Kate Polokonis (she/her) : Zekita at Gateway Global is doing amazing work. <http://www.ggayba.org/about.html>

10:21:20 From Will Hocker : You may have seen Jim Kavanaugh announced they will be hiring over a 1000 people at WWT this year.

10:23:05 From Kate Polokonis (she/her) : Kevin, STEMSTL would love to be able to share these documents on our website, if it's OK with SSD.

10:23:36 From Laura Winter : We will send out Kevin's handouts with the materials later today or Monday.

10:25:39 From Laura Winter : These are great, Kevin! Really clear.

10:32:04 From Jen Glassmeyer - Director of Alumni Services : Great resume/cover letter filler words!

10:35:23 From Susan Ryan : very helpful

10:35:29 From Marvin Bullard : Great Presentation!

10:35:35 From Cindy Burreson : Very helpful.

10:38:27 From Amber Lowry - CyberUp : In our experience companies are looking more for certifications than a college degree.

10:38:40 From Raghil Muhammad : Great information.

10:39:01 From Amber Lowry - CyberUp : They also want you to have hands on experience as well for entry level positions

10:40:15 From Tim Luecke | STL CAPS : Love the Success Profile approach.

10:46:23 From Mike Bryan : [www.wecyberup.org/inspire-teacher/](http://www.wecyberup.org/inspire-teacher/)

10:46:32 From Mike Bryan : [powerup@wecyberup.org](mailto:powerup@wecyberup.org) (Mike)

10:50:13 From Amber Lowry - CyberUp : Great job Joseph!

10:50:16 From Kate Polokonis (she/her) : Fantastic presentation, Joe!

10:50:18 From Kaitlyn Venta : Thank you for sharing your passion Joe!

10:50:22 From Jen Glassmeyer - Director of Alumni Services : Thank You!

10:50:30 From Tia Byrd : Good job Joe

10:50:37 From Marvin Bullard : Great Job

10:50:43 From Susan Ryan : Well done!!  
10:50:54 From Laura Winter : Thank you, Joe! Always great to hear from a student directly!  
10:50:54 From JuMah Fennoy : Great Job Joe wish you the best  
10:51:01 From Jennifer Irvin, MHSA,CCHW (BJC HealthCare) : Excellent presentation "Thank you" for sharing and for the hard work you put in to get such great results!  
10:51:52 From Joe Kelley : Thank you all for the praise! It has been a great experience!  
10:57:49 From Cindy Burreson : What students are eligible for the STL youth jobs  
10:58:08 From Ivy Hartman, Rockwood Summit HS (she/her) : STL Youth Jobs is only for students who live in certain areas of STL. Can you remind us who is eligible?  
10:58:16 From Jen Glassmeyer - Director of Alumni Services : Is the CAP Program open to college students that have not participated in any other STL Youth programs?  
11:01:28 From Lindsey Forsythe : Youth ages 15-24 who live in the following neighborhoods/municipalities are eligible:  
11:01:52 From Lindsey Forsythe : City Neighborhoods:  
Academy  
Baden  
Bevo Mill  
Carondelet  
Carr Square  
Columbus Square  
Covent Blu-Grand Center  
Dutchtown  
Fairground Neighborhood  
Gravois Park  
Greater Ville  
Hamilton Heights  
Holly Hills  
JeffVanderLou  
Kingsway East  
Kingsway West  
Lewis Place  
Mark Twain  
Mark Twain I-70 Industrial  
Mount Pleasant  
North Pointe  
O'Fallon  
Patch  
Penrose  
Penrose Park  
St. Louis Place  
The Ville  
Tower Grove East  
Vandeventer

Visitation Park  
Walnut Park East  
Walnut Park West  
Wells Goodfellow  
West End

County Municipalities:

Bel-Nor  
Bel-Ridge  
Bellefontaine Neighbors  
Bellerive Acres  
Berkeley  
Beverly Hills  
Black Jack  
Bridgeton  
Calverton Park  
Cool Valley  
Country Club Hills  
Dellwood  
Ferguson  
Flordell Hills  
Florissant  
Glen Echo Park  
Greendale  
Hazelwood  
Hillsdale  
Jennings  
Kinloch  
Moline Acres  
Normandy  
Northwoods  
Pagedale  
Pine Lawn  
Riverview  
University City  
Uplands Park  
Velda City  
Velda Village Hills  
Wellston

11:02:12 From Lindsey Forsythe : They can check their eligibility and apply online at [www.stlyouthjobs.org/apply](http://www.stlyouthjobs.org/apply)

11:04:47 From Mike Bryan : [launchcode.org/discovery](http://launchcode.org/discovery)

11:07:07 From Mike Bryan : [launchcode.org/lchs](http://launchcode.org/lchs)

11:08:12 From Marilyn Allen : The lchs program is wonderful.

11:09:00 From Marissa Griffin-Luna (She/Her) : Google form to receive more information - <https://forms.gle/vQepZ1EmfBNqGv5E6>  
Application - <https://girlswhocodesm.smapply.io>  
Summer Immersion Program Website - <https://girlswhocode.com/programs/summer-immersion-program>  
marissa.griffin-luna@girlswhocode.com

11:09:01 From Laura Winter : Thank you, Lin!

11:09:43 From Lin Wang | LaunchCode : Thank you, Marilyn! Do you work with an LCHS participating school?

11:15:06 From Emily Lombardo : Marissa, can you remind me which age groups are eligible for this program again? I believe you said it but I didn't write it down!

11:15:44 From Michelene Carbol : How many student can be in class?

11:17:03 From Ashley Vinson : I noticed that the flyer online for SIP says it is a free program but you mentioned there is a stipend application. Can you clarify on this?

11:19:17 From Marissa Griffin-Luna (She/Her) : Ashley, great question! The program is 100% free for everyone! The stipend is intended for students who are experiencing financial hardship. For example, some students may use the stipend money to fund their lunch during the program while others may use it to supplement income they would otherwise be making at a summer job.

11:19:25 From Kate Polokonis (she/her) : Hi Ashley, I was lucky enough to have 1:1 with Marissa, where I got to hear details about the program. The stipend can support related expenses to make it easier to access the program. So, to make up for income they might have made if they were in a job during the program, or to pay for transportation, etc.

11:19:39 From Marissa Griffin-Luna (She/Her) : Exactly, Kate! Thanks!

11:19:50 From Ashley Vinson : Thanks, everyone!

11:20:35 From Emily Lombardo : Will this training be in person or virtual for the next cohort? (how many times per year do new cohorts begin?)

11:20:49 From Mike Bryan : Everything is virtual right now

11:21:00 From Mike Bryan : We will go back in person once the pandemic passes

11:21:22 From Mike Bryan : Cohorts don't have a regular schedule - depends on funding and interest

11:21:26 From Marissa Griffin-Luna (She/Her) : Additionally, there is a place for students to note if they don't have access to a computer or wifi on the application. If they indicate a tech need, we will reach out to them and support them in getting wired up for the program. (Girls Who Code Summer Immersion Program)

11:21:44 From Laura Winter : Amber, do you offer fee waivers for the pre-apprenticeship program for low-income students?

11:22:09 From Mike Bryan : We can work with low-income but the \$100 is usually required

11:22:25 From Mike Bryan : [www.wecyberup.org/info-session/](http://www.wecyberup.org/info-session/)

11:22:40 From Henning Lohse-Busch (SLU) : Henning Lohse-Busch, Ph.D.  
Director of Business Development and Outreach  
Geospatial Institute at Saint Louis University  
Website [www.slu.edu/GeoSLU](http://www.slu.edu/GeoSLU)



Seminar <https://www.slu.edu/geoslu/geoslu-seminar.php>

LinkedIn [www.linkedin.com/in/henning-lohse-busch/](http://www.linkedin.com/in/henning-lohse-busch/)

Email [henning.lohsebusch@slu.edu](mailto:henning.lohsebusch@slu.edu)

11:22:48 From Emily Lombardo : is their additional costs for the program beyond the \$100 and if so, are their funding options available? (i.e. WIOA grants?)

11:22:52 From Emily Lombardo : \*\*are there

11:23:08 From Mike Bryan : no other costs after the \$100

11:23:12 From Emily Lombardo : Thanks!

11:23:17 From Mike Bryan : yes, we use WIOA and WIB funds

11:23:26 From Amber Lowry - CyberUp : Yes, we will work with anyone if \$100 application fee is a barrier to our program

11:24:36 From Emily Lombardo : @Mike and Amber, if I have a recent HS graduate who is interested, who is the best person to email to get more info or to directly connect the student?

11:24:53 From Mike Bryan : email [info@wecyberup.org](mailto:info@wecyberup.org)

11:29:01 From Amber Lowry - CyberUp : They can email me at [amber@wecyberup.org](mailto:amber@wecyberup.org)

11:29:19 From Amber Lowry - CyberUp : I also man the info email so either email address will come to me. :)

11:31:17 From Mike Bryan : [www.slu.edu/geoslu/geoslu-seminar.php](http://www.slu.edu/geoslu/geoslu-seminar.php)

11:31:30 From Joe Kelley : My highschool has introduced a GIS class which I have taken and it was one of the most interesting classes I have taken! I would recommend it to anyone

11:32:05 From Mike Bryan : [henning.lohsebusch@slu.edu](mailto:henning.lohsebusch@slu.edu)

11:33:58 From Laura Winter to Dawn Richards(Privately) : Dr. Hocker (speaking now) and Margaret Hvatum (next speaker) are both with STLCC and do not have slides. I'll pull slides back up with the next presenter - Tia Byrd and Adande Lane at NPower

11:34:14 From Henning Lohse-Busch (SLU) : I forgot to mention our summer camps: <https://www.slu.edu/summer-and-extended-studies/k-12-camps.php#/camp-details/Virtual-Geospatial-Data-Science-Camp--Session-1->

11:46:09 From Will Hocker : I my brevity I forgot to mention that our Network Engineering Associates degree or certificate programs at STLCC may be started in either spring or fall semesters, only the AAS degree has a math requirement of either Statistics or College Algebra.

11:46:37 From Laura Winter : Margaret, if you send me your docs I'll get them out. Thanks!

11:52:42 From Cauterra Matthews, Recruitment & Admissions-NPower Missouri : 18-25, HS Diploma or GED/Authorized to work in the United States

11:52:52 From Cauterra Matthews, Recruitment & Admissions-NPower Missouri : [www.npower.org/apply](http://www.npower.org/apply)

11:54:30 From Kaitlyn Venta : <https://stlouisgraduates.academicworks.com/opportunities/3885>

11:54:47 From Kaitlyn Venta : They are offering 3 scholarships this year - the application is very straightforward

11:56:27 From Mike Bryan : [lroth@firstpartners.org](mailto:lroth@firstpartners.org)

11:57:16 From Laura Winter : Thank you to all of our AMAZING presenters today!

11:58:21 From Margaret Hvatum : Thanks so much for the opportunity to present. Please contact me as [mhvatum@stlcc.edu](mailto:mhvatum@stlcc.edu) if you have questions. Margaret Hvatum

11:58:22 From Janell Kim : informed!

11:58:54 From Laura Winter : Thank you Kate and STL School Business Partnership!