



BayICT Partnership Quarterly Report

Q2 2021

July 9, 2021

June 29, 2021 Quarterly Meeting [Recording Link](#)

The BayICT Partnership kicked off in October 2020 and activities are now resulting in measurable student success outcomes and programs that are responding to ICT job demand and post-pandemic recovery.

Student Success

- Approximately 425 students took advantage of the [BayICT Tech Talks](#), giving them access to ICT and digital media business and industry leaders and professionals, providing insights into the careers they're pursuing and, in many cases, network connections with the 16 speakers. As one result of those network connections, a cybersecurity student was offered and accepted a job from one of the speakers. Read about this success story [here](#).
- The partnership with NextGen Cyber Talent is getting results.
 - o Seventy-seven (77) Bay Area CC students are registered participants in their programs, which include security information and event management (SIEM) tool training, mentors, regular presentations from industry professionals on professional and technical skills, and interview preparation for paid internship and entry-level jobs.
 - o Eight of these students completed the required prep for the internship/job placements program and 2 have been hired.
 - o Recognizing the retention barriers of many students, NextGen began its completion grant program, which awards students successfully finishing courses in cybersecurity certificate and degree pathways. See the press release [here](#).

Responding to ICT Job Demand

- Through industry partnerships with Intel AI and IBM, Bay Area college programs now have access to curriculum to prepare students for AI/ML jobs and the re-skilling many individuals are pursuing in the shift into a reopening economy.
 - o Intel is providing curriculum and resources for an associate degree in artificial intelligence and 3 Bay Area colleges (Foothill, Ohlone, and soon, Evergreen Valley) are planning programs. (See the Q2 meeting report.)
 - o The new [relationship with IBM SkillsBuild](#), a CSR initiative connects adult learners with a curated path of job-focused learning through partnerships with community colleges and nonprofits. The platform provides rich content for building professional, technical, and job-focused skills for learners who are reskilling or re-entering the workforce. The coursework for one of the cybersecurity paths was introduced to faculty at the WASTC 2021 Faculty Development Weeks. The BACCC RD team is in discussions with faculty to use SkillsBuild to add to the inventory of [short-duration programs](#).

Q2 2021 Highlights

- The BayICT Tech Talks increased frequency to weekly during Q2 up to the end of the Spring 2021 semester. Bi-weekly talks will resume Fall 2021. Below are the Spring 2021 events with links to the recorded sessions.

4/5/21	Kristin Hoyne Gomes	Director, Decision Science	Accertify	Using Data Science to Reduce Financial Fraud
4/12/21	Lauren Ayala	Sr Systems & Network Associate	Lawrence Livermore National Lab	Career Spotlight
4/20/21	Jimmy Sanders	Director, Information Security	Netflix - DVD President, ISSA	Ask me anything!
4/27/21	Arianna Willett	Director, Risk & Compliance	Okta	Careers within Security Risk & Compliance
5/3/21	Mary Gardner	Former CISO	F5	What make a Good Cybersecurity Candidate
5/10/21	Bob Fabien Zinga	Director of Information Security	Directly	Cyber Risk Management
5/17/21	Steve Booth	VP, Product Security Board Member	Salesforce NextGen Cyber Talent	NextGen completion incentive grant announcement for CCSF
5/18/21	Atif Haque	Cybersecurity Professional	LinkedIn	Vendor Security Risk Management

- Cloud Computing curriculum and programs implemented or in development as of June 2021:

College	Program	Courses
Canada	Cloud Computing Certificate of Achievement	Introduction to Cloud Computing
		Database Essentials in the Cloud
		Cloud Security
Canada		Cloud Compute Engines
CCSF	In approval process	AWS Cloud Practitioner
		Microsoft Azure Certifications
CSM		Cloud Security Fundamentals
		Introduction to Cloud Computing
		Introduction to Cloud Computing
De Anza		Fundamentals of Large-Scale Cloud Computing
		Managing Cloud Projects
		Cloud Security Fundamentals
Foothill	Certificate of Achievement in Cloud Computing	Cloud Infrastructure and Services
		Introduction to Cloud Computing in Amazon Web Services
		Database Essentials in Amazon Web Services
		Compute Engines in Amazon Web Services

		Security in Amazon Web Services
		AWS Cloud Practitioner Certification Prep
		AWS Certified Solutions Architect Associate Prep
Las Positas	Cloud Computing Certificate of Achievement	Cloud Infrastructure: CompTIA Cloud+
		Introduction to Cloud Computing
		Database Essentials in the Cloud
		Compute Engines for Cloud Computing
		Security Services in the Cloud
		AWS Cloud Practitioner Certification Prep
		AWS Academy Cloud Solutions Architecture Certification Prep
Merritt		Cloud Security Fundamentals
		Administering Cloud Services and Containers
Monterey Peninsula		Amazon Cloud Concepts
Ohlone		Cloud Infrastructure and Services
		Cloud Security Fundamentals
SRJC		Intro Virtualization and Cloud Computing

- BACCC IBM SkillsBuild Digital Learning Partnership

- Free access to IBM's SkillsBuild platform for faculty and students
- Courses and digital credentials
- Digital Foundations Learning Path
 - Working in a Digital World
 - Professional Skills Working in a Digital World
 - Essential Skills
 - Agile Explorer
 - Explorations into Mindfulness
 - Job Application Essentials
 - SkillsBuild Innovation Camp
 - Entrepreneurial Mindset
- Role-Based Learning Path
 - Cybersecurity professional
 - Customer service representative
 - Data analyst
 - Enterprise computing professional
 - Linux system administrator

- Blue Collar AI

Building upon the advocacy for development of the Blue Collar AI workforce introduced to us at the Q1 meeting by Aaron Burciaga, Vice President of Analytics and Artificial Intelligence for ECS, Bay Area colleges are developing this new curriculum. Foothill College faculty introduced the BACCC to the Intel [AI for Workforce program](#). Ohlone College has agreed to pilot full implementation of the AS degree curriculum. At the Q2 meeting, Evergreen Valley requested joining the project.

Given the emerging nature of the AI/ML job roles, the Partnership agreed to work on developing job descriptions and gathering LMI for the following job titles:

- Data Engineering Specialist
 - Data Analysis Specialist
 - Data Visualization Specialist
 - Simulation Specialist
 - Data Labeling Specialist
 - User Interface (UI) Specialist
 - Testing & Evaluation (T&E) Specialist
 - Automation Specialist
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- Technology Workforce Collaborative

BayICT Partnership members collaborated with the SF Bay Chapters of ISSA and ISC2, ICMCP, Women in eDiscovery, Us in Technology, Each One Teach One, The Office of the CIO, and CyberTrust America to host the first Tech Workforce Collaborative Summit on April 27th. The virtual event was a technology career accelerator and networking opportunity for students and individuals, whether new to technology or an industry veteran. Participant heard from and interacted with industry professionals and leaders from technology organizations and community groups. View the recorded session [here](#).

The next quarterly meeting of the Partnership will be virtual in November 2021. At this time, we have not determined if it will be virtual or in-person. We do intend to have enough details about the AI/ML job descriptions above to make the next meeting our annual review of entry-level KSAs. Look for a save-the-date and an update in early October.

Finally, we'd like to express our deep appreciation to Richard Grotegut, whose last day as a BACCC Regional Director was June 30th. Richard led ICT industry and employer engagement single-handedly from 2016 to 2020 when Olivia and Ray joined the BACCC. The BayICT Partnership was his vision and his leadership has brought us to all we have accomplished to date. Richard will continue in his role leading the professional development events sponsored by the DVC WASTC and advising the region's NETLAB+ and cyber camp projects.

Respectfully,

Olivia Herriford

Ray Kaupp

BACCC Regional Directors, Employer Engagement, ICT Digital Media

Appendix: BayICT Partnership

Q2 2021 Meeting Attendees

Business & Industry

Carlos	Contreras	Sr Director, Govt Partnerships & Initiative	Intel
Tony	Zirnoon	Founder / CEO	Human Capital Ventures Corp.
Aaron	Burciaga	VP, Analytics & AI	ECS Tech
Zoe	Pilla	CSR Manager	IBM CSR

Workforce Development

Michael	Katz		East Bay Works
Luther	Jackson		NOVA Works
Samantha	Miller		Alameda County Workforce Dev Board
Darlene	Sloan Hawkins		Alameda County Workforce Dev Board
Patience	Ofodu		Workforce Development Board of Contra Costa
Annie	Tahtinen		JVS
Kim	Pham		NOVA Works

Community Based Organizations

Vanessa	Russell	Executive Director	Love Never Fails
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Bay Area Community Colleges

Ron	Sha	Dept Chair	Ohlone College
Maniphone	Dickerson	Dean, Business & Workforce Development	Evergreen Valley College
Richard	Grotegut	RD ICT-DM	BACCC
Ray	Kaupp	RD ICT-DM	BACCC
Olivia	Herriford	RD ICT-DM	BACCC
John	Careese	Director	Bay Area COE
Lauren	Tabata		BACCC
B. Lee	Federlee	Faculty	College of Marin
Denise	Moss	Director	BACCC BayCyber
Dan	Montoya		BACCC