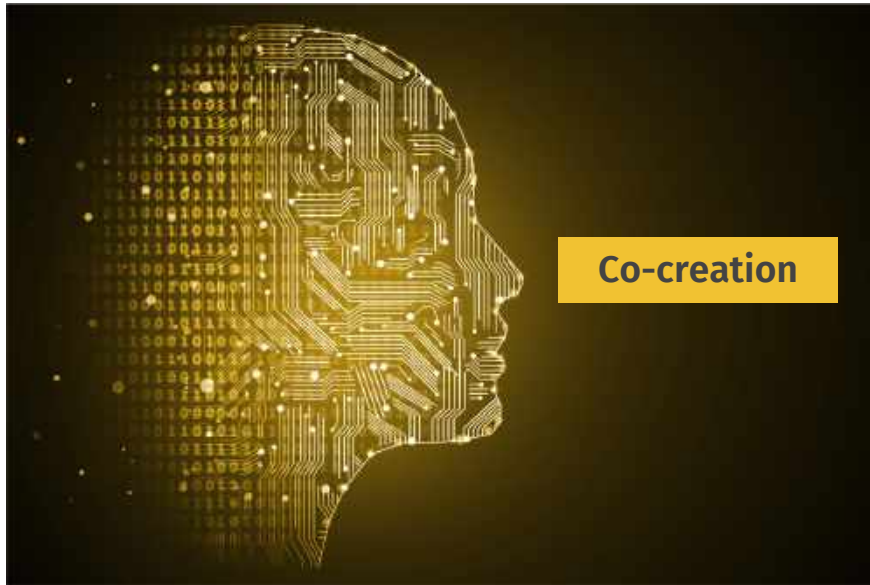




Skyline College
**Strategic Partnerships &
Workforce Development**

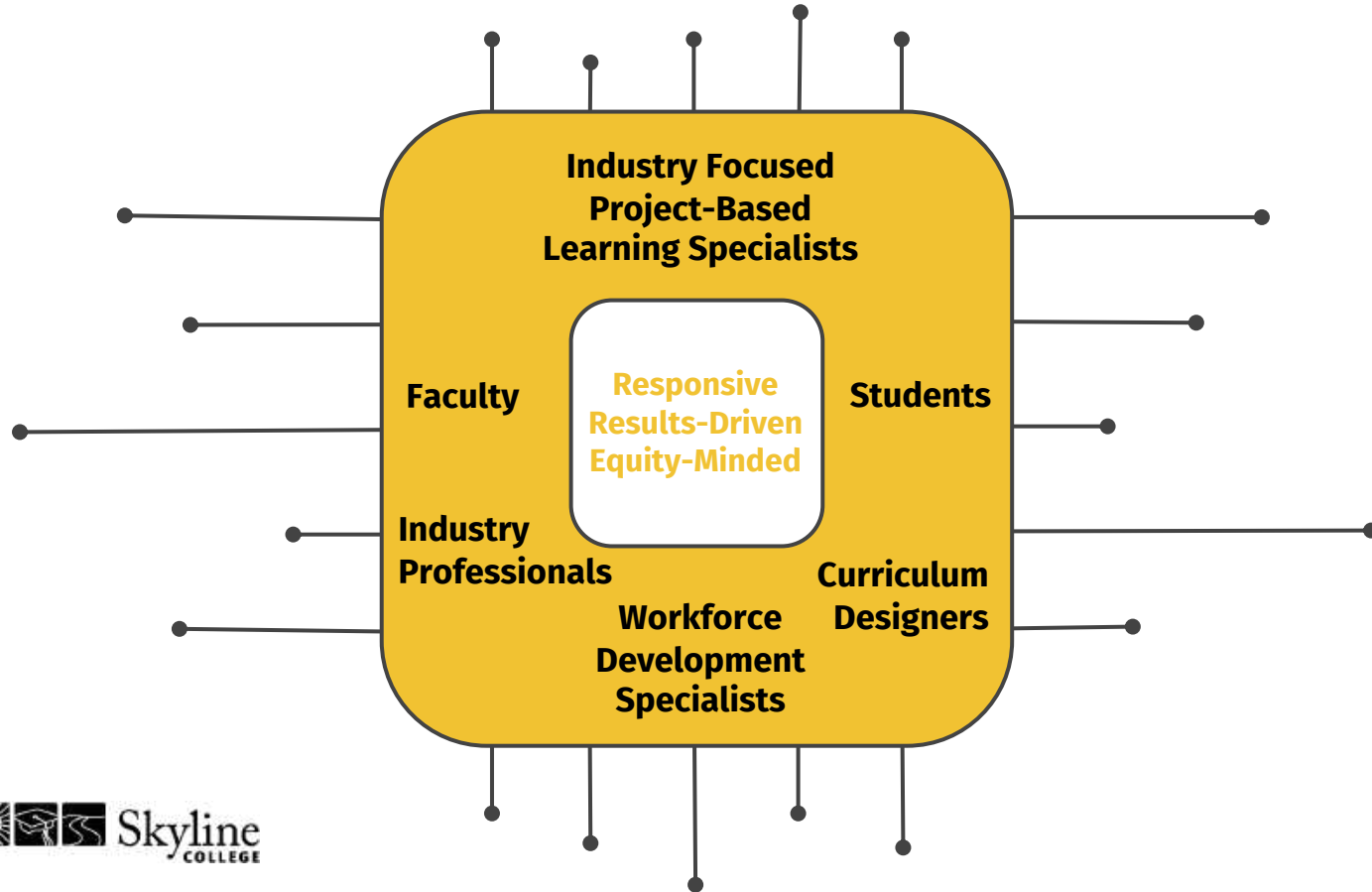
INNOVATIVE
EFFECTIVENESS CONFIDENCE
HAPPINESS PROBLEM SOLVING
SATISFACTION EXCELLENCE
RESUME DELIBERATE PRACTICE
INITIATIVE ESTEEM REVENUE
COMMUNICATE ACHIEVEMENT
EMOTIONAL INTELLIGENCE
CREATIVITY INSPIRE
CRITICAL THINKING EMPATHY
SUCCESS
NETWORKING DREAM JOB
INTEGRITY
RELIABILITY RESILIENCE
TEAMWORK
AUTHENTICITY

Co-creation of Alternative Pathways to Tech - with a focus on AI

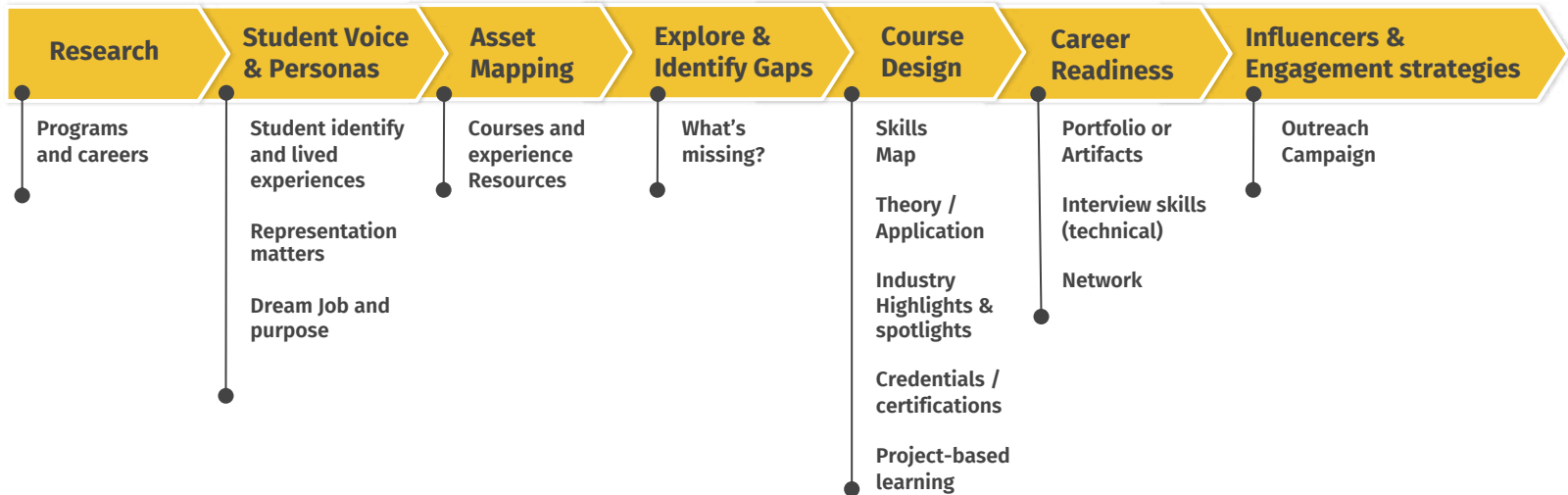


- 1.** The collaborative development of programs and services together with experts and/or stakeholders.
- 2.** Is a form of collaborative innovation: ideas are shared and improved together, rather than kept to oneself.

Collaborative Team Membership



Process of Engagement





Design Elements

Responsive to Industry

Skills Framework
Burning Glass
Industry Surveys and Panels



Diversity, Equity and Inclusion

Anti-Racism Practices
Representation in Design
Culturally-Relevant Pedagogy
Social Justice Projects



Identity Development

Middle School
High School
Adult School Transitions
Traditional College

Student Experience



Project-Based Learning
Applied Learning Kits & Labs
Portfolio and Technical
Interview Prep

Innovative and Valuable Teaching and Learning





Alternative Pathways to TECH!

6-9 Month For-Credit Training Programs



Technology Sales



Jr. Full-Stack Engineer



Data Science Analyst



**Jr. Applied AI Specialist/
Solutions Architect**



Dev Ops



Cloud Developer



Skills Framework

Algorithms and Databases

	Description	Junior Full Stack Developer	Junior Applied AI Developer	Cloud Developer	DevOps Specialist
Coding basic	C programming, Control flow, subroutines, scalar, types and introduction to data structures (array and list)	x	x	x	x
Python basic	Basic Python programming, algorithm and data structures (array, list, dictionaries, set, tuples)	x	x	x	x
Advanced Python	Advanced algorithm and data structure (advanced lists, segment tree, trie, binary indexed tree, suffix array and tree self-balancing BSTs, K dimensional tree, disjoint Set, n-ary tree)		x		
SQL	RDBMS, RDSMS, SQL execute queries, retrieve data, insert... relational algebra and tuple relational calculus	x	x	x	
Other Database (redis...)	NoSQL database, JSON,	x	x	x	



Skills Framework

Full-Stack Development

	Description	Junior Full Stack Developer	Junior Applied AI Developer	Cloud Developer	DevOps Specialist
HTML + CSS (Bootstrap)	Web language	x		x	
Javascript (ReactJS)	Node, NPM, web development	x		x	
Javascript advanced***				x	
Django Framework	Migration, Model View Controller, security	x		x	



Skills Framework

Artificial Intelligence and the Cloud

	Description	Junior Full Stack Developer	Junior Applied AI Developer	Cloud Developer	DevOps Specialist
Keras, Jupyter	AI and Data Manipulation		x		
AI technologies			x		
Basic Cloud technologies	SAAS (web), Docker	x	x	x	x
Intermediate cloud technologies	PAAS, SAAS (all other than Web)		x	x	x
Advanced Cloud technologies	IAAS (server, network, firewall, Docker, Kube)				x



Skills Framework

Tools and Preparations

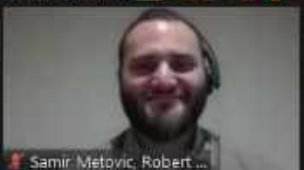
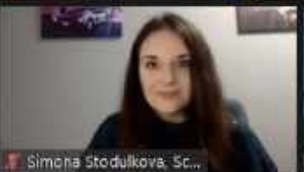
	Description	Junior Full Stack Developer	Junior Applied AI Developer	Cloud Developer	DevOps Specialist
GIT / CI CD	Engineer skill set to dev, test and get production source code	x	x	x	x
Peer reviewing	Learn how to give positive feedback on code and receive feedback	x	x	x	x
Technical interview	Question Writing Answer procedure and training	x	x	x	x



Industry Leadership Council

Industry Leadership Council

Collaboration and Design	New program design Redesign of existing programs and viability testing
Fundraising Efforts	Promise scholarships by Meta Major Program Innovation Strategies
Work-Based Learning and Teacher Talent	Guest lectures, workplace tours, job shadows, paid internships and job placement by Meta Major
Professional Development	Training and development for faculty and staff delivered by key employers specific to Meta Major / Program



Thank You SEMI & Stakeholder **PARTNERS!**

AI Education & Talent Pipeline Meetup

