AUSTIN URBAN TECHNOLOGY MOVEMENT

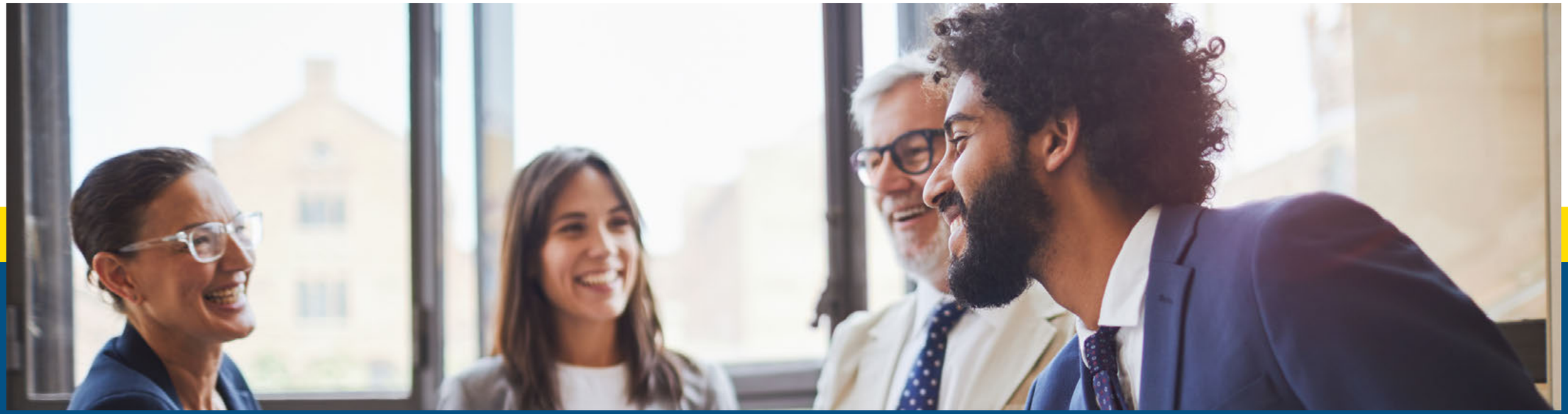
HELLO & HOLA

AUTMHQ PROGRAMS

AUSTIN URBAN TECHNOLOGY MOVEMENT

About Us

Austin Urban Technology Movement (AUTMHQ) is increasing diversity in tech through its workforce development tech ecosystem.



✓ Digital Equity

✓ Workforce Development

✓ Job Placement

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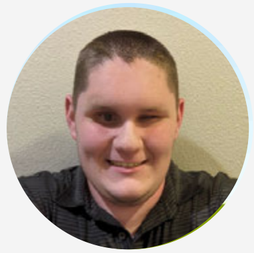
OUR AUTMITES



Christian B.

During my three-month tenure at AUTMHQ, I evolved from a blind volunteer into a tech-savvy AI enthusiast. My collaboration with the supportive AUTMHQ team made my experience memorable, introducing me to the tech world and instilling a lifelong fascination with AI.

Darrell K.

I was an Austinite facing housing challenges, but I found a lifeline in AUTMHQ's digital literacy class at Operation Liberty Hill. The program gave me a laptop, hotspot, and skills to help me online so I could apply for more opportunities with the Affordable Connectivity Program, too!

Yasenia E.

As a busy mom of five living near Operation Liberty Hill, I found a way to change my life in AUTMHQ's digital literacy class. The program gave me a device to support my kids' education and gave me a passion for learning. Now, I'm excited to master Excel to manage my money and imporove my conversational English.

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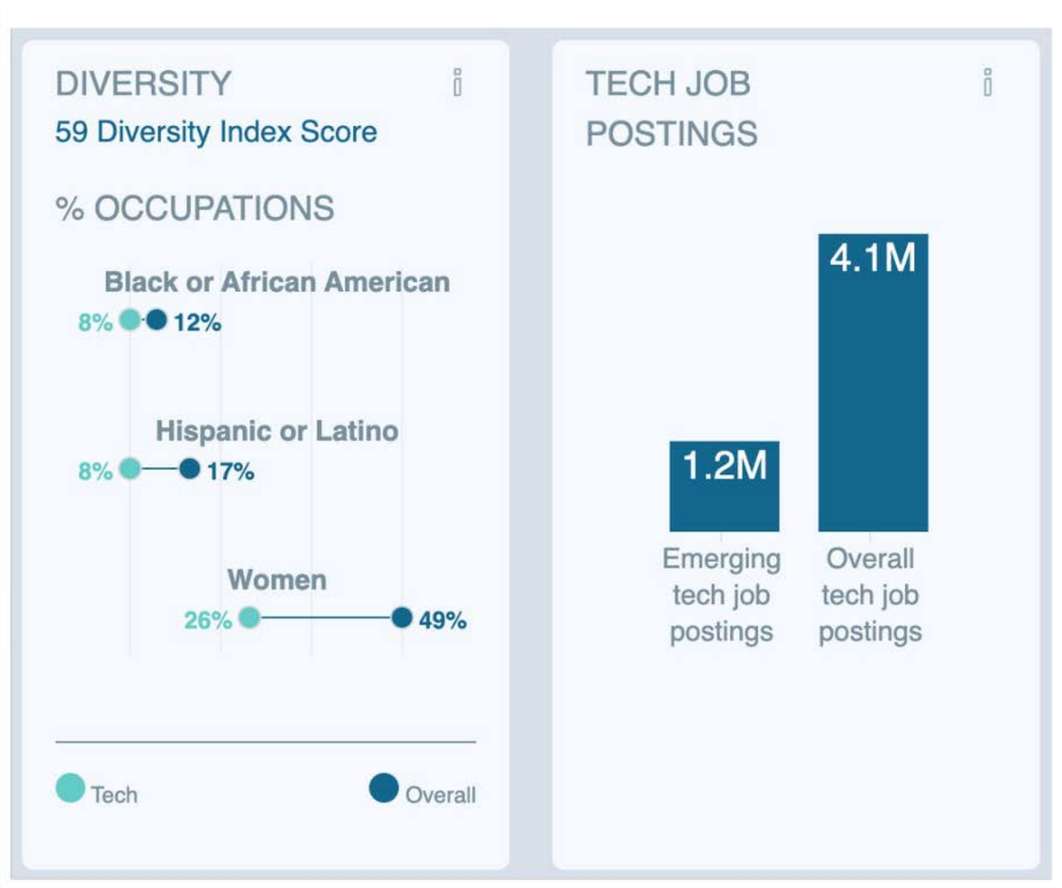
The Problem

How to fill the technical skills gap in tech?



1. The Diversity Index Score uses the Simpson's Diversity Index methodology, a calculation of tech occupation diversity across the 7 top level race and ethnicity groups as reported by the U.S. Bureau of Labor Statistics.

2. Job postings are a measure of employer demand for tech talent during 2022. The total figure represents job postings across the 17 tech occupations used within Cyberstates. The emerging tech job posting figure uses a basket of 15 emerging job roles and skills, such as machine learning, artificial intelligence, robotics, digital business transformation, and more. Source: Lightcast

There's a significant gap between the number of tech jobs available and the qualified individuals to fill them. The tech industry highlights:

1. **Millions of unfilled tech roles across sectors.**
2. **Barriers for underrepresented groups to entre the tech industry, thus not meeting industry talent demand.**

The takeaway: There's a clear disconnect. Tech jobs are being created exponentially, but the number of talented individuals from underrepresented groups are not entering the tech field at the rate needed to meet demand.

Labor Market Trends

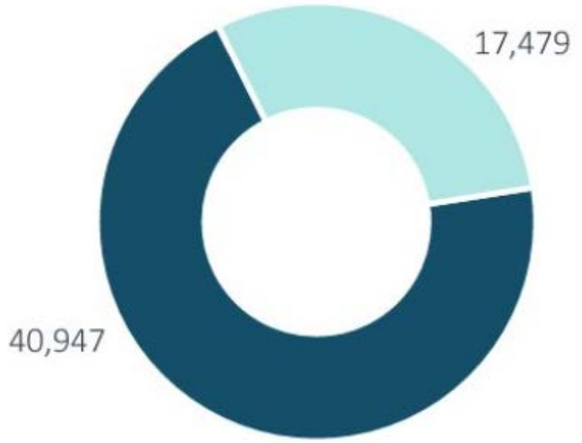
TOP REMOTE POSITIONS: TECH JOB POSTINGS

	JAN	vs. DEC
Software Developers	8,683	+1,292
IT Proj. Mgt., Data Analyst, EmTech	5,600	+1,414
Data Scientists	2,416	+488
Systems Analysts	2,209	+129
IT Support Specialists	2,158	+215
Cybersecurity Analysts and Engineers	2,046	+793
Web Developers	1,175	+19
Database Administrators	1,135	+230
Network and Systems Administrators	1,075	+122
Database Architects	869	+94
SUBTOTAL	27,366	+4,796

Source: CompTIA analysis of Lightcast job posting data | new postings

AI JOB ROLE AND SKILLS POSTINGS

Artificial intelligence (AI) job and skill citations as percentage of total emerging tech job postings



TOP STATES FOR AI JOB POSTINGS

	JAN	vs. DEC
California	2,650	+366
Massachusetts	1,257	+499
Texas	1,246	+107
New York	1,132	+356
Virginia	890	+109

Source: CompTIA analysis of Lightcast job posting data

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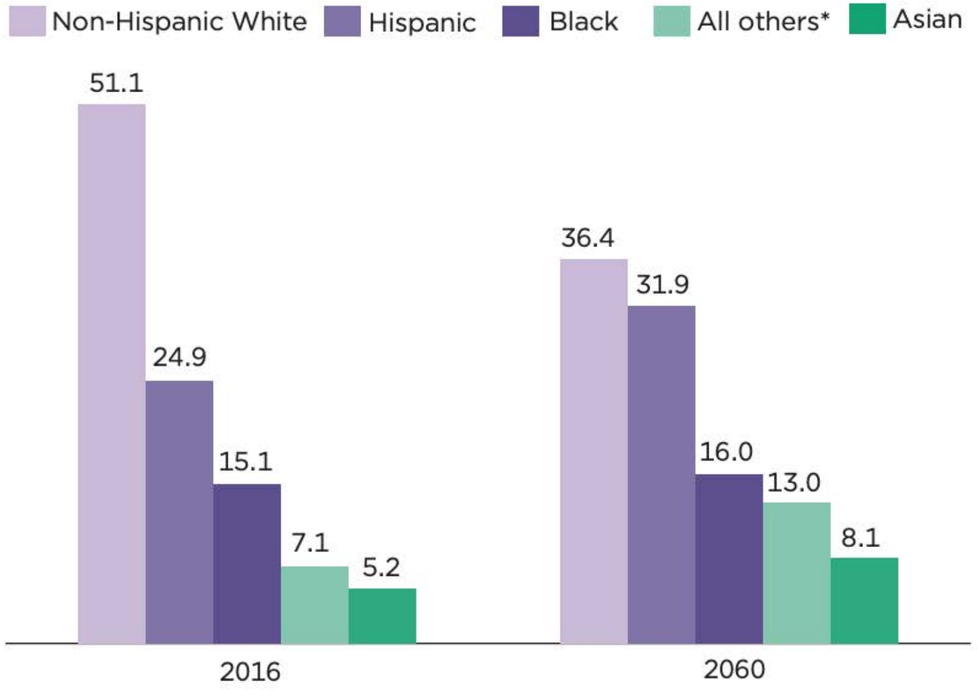
Demographics Trends Across the U.S.

Figure 3.

Racial and Ethnic Composition of Children Under Age 18

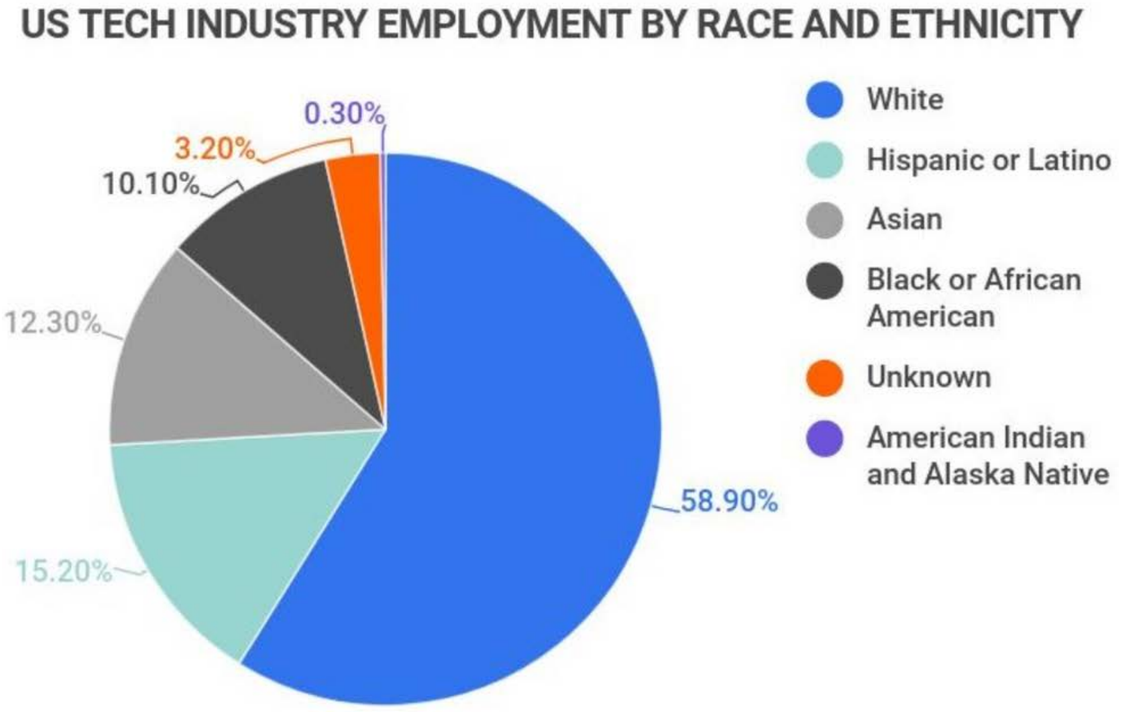
The share of children who are non-Hispanic White is projected to fall from one-half to about one-third by 2060.

(In percent)



* The other race group includes children who are American Indian and Alaska Native, Native Hawaiian and Other Pacific Islander, and Two or More Races.
Note: Hispanic is considered an ethnicity, not a race. The percentages do not add to 100 because Hispanics may be any race.

Source: U.S. Census Bureau, 2017 National Population Projections.



Zippia. "25 Trending Tech Industry Statistics [2023]: Tech Industry Demographics, Worth And More" Zippia.com. Jun. 29, 2023, https://www.zippia.com/advice/tech-industry-statistics/

The Solution: Awareness-to-Employment Pipeline

Digital Equity

- Texas Technology for All Initiative
- Provide devices, computer skills, internet access, and digital literacy

Workforce Development

- Hard and soft skills training
- On-the-job training, internships, bootcamps, and apprenticeships
- Badges, certifications, and credentials

Job Placement

- Resume review and mock interviews
- Job board
- Horizons and Day-in-the-Life programs

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Become an Autmite today.

Become an Autmite

Digital Equity

Hard/Soft Skills Training

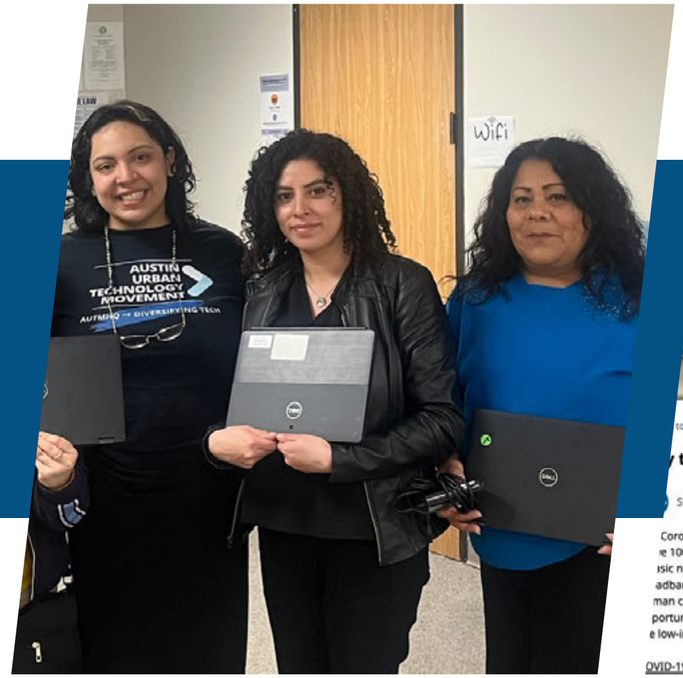
On-the-Job Experience

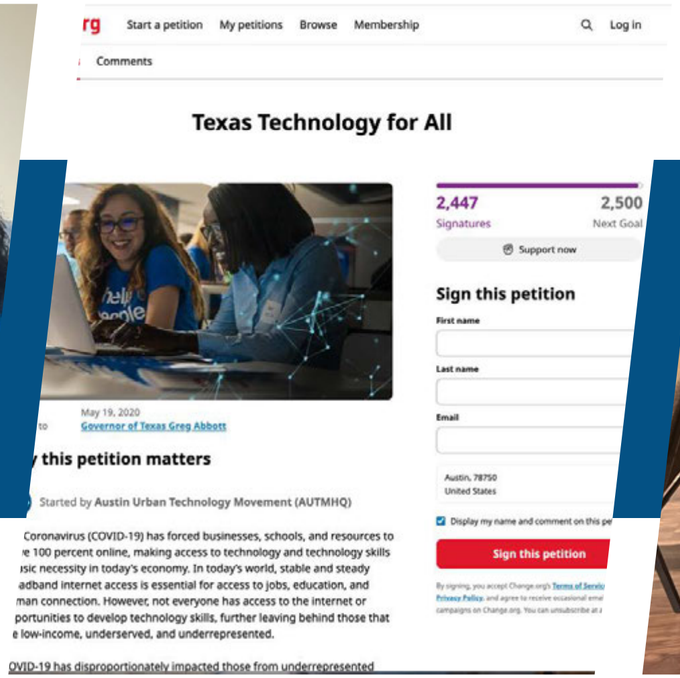
Mentorship Matching

Networking

Community Service

AUTMHQ Skills: Digital Equity



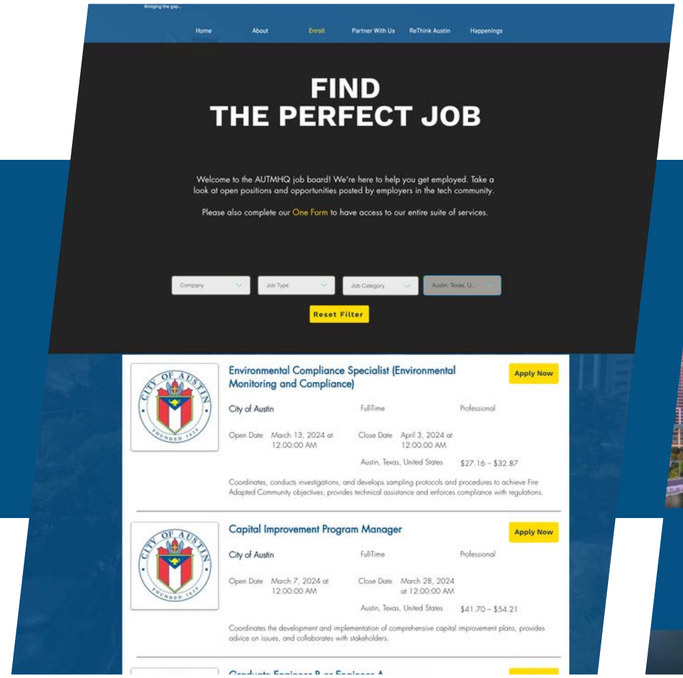


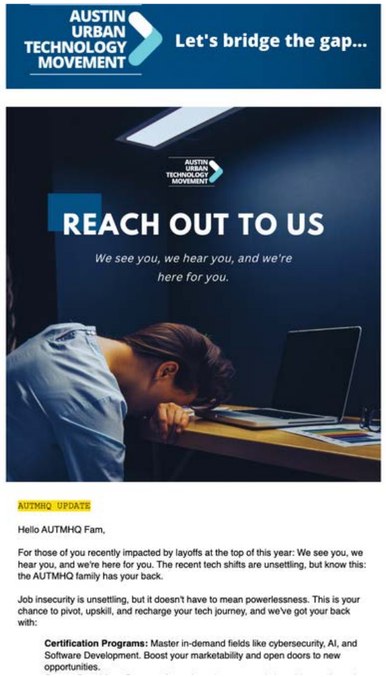
Provide Digital Equity (devices and internet) | Texas Technology for All Initiative | Expand Digital Literacy

AUTMHQ Skills: Workforce Development

Hard skills training | Soft skills training | On-the-Job Experience (Internships and Apprenticeships)

AUTMHQ Works: Job Placement





Job Board | Networking | Weekly newsletter

Cohorts: Hard Skills Training

AI & Machine Learning

ExceL AI Applied Artificial Intelligence: Unlocking Intelligent Solutions for Business*

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DeepLearning.AI TensorFlow Developer

↓

IBM Machine Learning

↓

Duke University AI Product Management

↓

Stanford University DeepLearning.AI Machine Learning

↓

CertNexus Certified Artificial Intelligence Practitioner

Cybersecurity

Google IT Support Certificate

↓

IBM Cybersecurity Analyst

↓

ISC2 Certified in Cybersecurity

↓

IBM Fundamentals in Cybersecurity

↓

ISC2 Systems Security Certified Practioner

Big Data

Data Analytics

Google Data Analytics Certificate

↓

IBM Data Engineering

↓

Google Advanced Data Analytics

↓

Data Science

IBM Data Science

↓

University of Michigan Applied Data Science with Python

↓

University of California, Irvine Data Science Fundamentals

↓

Johns Hopkins University Data Science

IT Support

Google IT Support Certificate

↓

Google IT Support Automation with Python

↓

University of California, Irvine Introduction to Computer information Systems

Software Development/ Engineering

IBM Full Stack Software Developer

↓

University of Michigan Python 3 Programming

↓

Meta The Full Stack

↓

Board Infinity Java FullStack Developer

↓

Codio DevOps: Introduction to Developer Operations

↓

Red Hat Cloud-Native Development with OpenShift and Kubernetes

↓

Blockchain Developer
University at Buffalo Blockchain Basics

UX/UI Design

Google UX Design Certificate

↓

California Institute of the Arts UI / UX Design

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Texas Technology For All

Texas Broadband Development Office and Funding:

In 2021, the Texas Legislature established the Texas Broadband Development Office (BDO) within the office of the Comptroller. The BDO's primary function is to develop a long-term, statewide plan for expanding access to and adoption of broadband services across Texas.

Federal Funding and Texas Allocation:

The Infrastructure Investment and Jobs Act, also known as the Bipartisan Infrastructure Law, allocated significant funds for broadband expansion efforts nationwide. Texas received the largest allocation of any state, with over $3.3 billion dedicated to improving broadband access.

Current Stage

In August 2023, Texas submitted its Five-Year Action Plan for Broadband Equity, Access and Deployment Program implementation to the National Telecommunications and Information Administration. This plan outlines strategies and goals for utilizing the federal funds to address the digital divide and achieve universal broadband access in the state.

About AUTMHQ

Austin Urban Technology Movement (AUTMHQ) bridges the gap between the Black and Hispanic communities and the technology industry through job placement, career development, and networking opportunities.

www.autmhq.org

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Support Us

We're searching for enthusiastic individuals to join our mission of bridging the gap between the tech industry, and the Black and Hispanic communities, as well as donate to push forward our cause.

As a volunteer, you can:

1. Mentor tech professionals
2. Share your industry knowledge through workshops
3. Help faciliate events and networking opportunities
4. Support our overall Awareness-to-Employment program

As a donor, all of your donation goes towards increasing diversity in tech and filling the technical skills gap across the industry.

No matter your background or skillset, you can make a positive impact.

Scan to Donate

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Scan QR Code to Partner

Partner with Us

By partnering with us, you're not just supporting a good cause – you're investing in your future success and a strong tech ecosystem!

1 Employers

- Employee engagement and retention
- Enhance brand and engage community
- Access to hidden talent
- Workforce Development
- Expand digital equity
- Networking

2 Government

- Enhance brand and engage community
- Workforce Development
- Expand digital equity
- Employee engagement and retention
- Networking

3 Institutions

- Expand digital equity
- Workforce development
- Networking
- Job placement

4 Non-profits

- Expand digital equity
- Workforce development
- Networking
- Job placement

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Thank You to Our Partners

Google

Microsoft

BPA
Black Professional Alliance
Collaboration At Its Best

African American Youth harvest foundation

BUILDING PROMISE USA
"Peer-Led, Peer-Run & Peer-Driven"

Austin Area Urban League

avanade

InterConnection

GREATER AUSTIN STEM ecosystem
Cultivate. Learn. Inno
An Initiative of the STEM Funders Network

Austin Professionals

PCs for People

Greater Austin Hispanic Chamber of Commerce

CHASE

PCC Community Wellness Center

MANOR ISD

PfISD

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Let’s Stay Connected!

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*on all social media platforms

www.autmhq.org

Austin, Texas