



TECH APPRENTICE

Creating Tomorrow's Tech Workforce Today



Program Overview

Tech Apprentice is a paid six- to seven-week summer internship program for tech-savvy Boston Public Schools (BPS) high school students who want to work in tech departments across a range of industries in Boston. Now in its 18th year, Tech Apprentice is part of the Mayor's Summer Jobs Program and has placed more than 1,700 students into summer internships. Students work on a range of technology projects based on employer needs and the skill level and interests of the intern.

Program participants are paid a minimum of \$15/hour, work about 25-35 hours/week and earn approximately \$3,000-3,500 for their internships. The program targets BPS high school students who are at least 16 years old.

Many students in the program also participate in computer science courses, early college programs, technical pathways, robotics teams, after-school and summer tech training programs, and coding clubs. The students are considering pursuing IT majors in college or tech careers after high school and are eager to gain relevant work experience.

Internship Types

- Software - programming, coding, quality assurance (QA)
- Web/Mobile App Development
- Help Desk/IT Support
- Digital and Social Media
- Database and Data Analysis

Get Involved

We are actively seeking new host sites for summer 2025 Tech Apprentice interns. Based on our extensive experience, we can help employers create, expand, or refine an internship program. In addition to hiring interns, we rely on employer partners to support the program by providing career exploration opportunities such as guest speakers, teaching workshops, company tours, boot camps, and job shadows.



I think many people would be surprised at the level the summer interns' function at in the workplace and what they are able to accomplish in such a short period of time. Our Chief Information Security Officer was ecstatic with their contributions during their internship.

JAMES NOGA
Former CIO
Partners HealthCare

For more information, please contact:

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Tech Apprentice Roles	Typical Responsibilities	Technical Skills
Software Programming/QA	<ul style="list-style-type: none"> • Write specifications • Write code (module, feature, or entire application) • Review code (peer review) • Execute tests (scripts, unit tests, etc) • Program devices (Alexa) • Document results/log bugs 	<ul style="list-style-type: none"> • Programming languages: (C/C++, JavaScript, Python, Rust) • Troubleshooting skills • Version control systems (Git, SVN) • Software development methodologies (Agile, Waterfall)
Web/Mobile App Development	<ul style="list-style-type: none"> • Assist in planning and building new websites/mobile apps • Design banners and graphics • Embed content such as video and audio • UX evaluation (analytics) 	<ul style="list-style-type: none"> • HTML or CSS • Adobe Photoshop, Figma • Website usability/design
Help Desk/Support	<ul style="list-style-type: none"> • Process help tickets/requests • Customer support / collaborative problem solving • Troubleshoot hardware/software issues • Customer-focused service • Analytical skills 	<ul style="list-style-type: none"> • Microsoft Office, Google Workspace • Collab app tools (Zoom, Teams, Slack, etc.) • PC, Mac, and mobile operating systems • PC hardware configuration • Cisco networking
Digital and Social Media	<ul style="list-style-type: none"> • Compile and manage social media content, calendars and campaigns • Plan, shoot, and edit video/photo content • Plan, record and edit audio content • Create graphics 	<ul style="list-style-type: none"> • Social media literacy: Facebook, LinkedIn, X (Twitter), Instagram, Bluesky, etc. • Video/audio creation and editing • Content management and scheduling • Adobe Illustrator, Photoshop, Canva, Capcut
Database & Data Analysis	<ul style="list-style-type: none"> • Database reporting • Database reconciliation • Data entry • Data analysis & visualization 	<ul style="list-style-type: none"> • Microsoft Office, particularly Excel • SQL • FileMaker



Key Soft Skills for All Roles:

- Communication
- Curiosity
- Grit
- Organization
- Teamwork
- Professionalism
- Passion for technology

Scan the QR code to learn more about the PIC and Tech Apprentice

