



Presentation to the Education and Workforce Development Committee



UNIVERSITY OF
MARYLAND

**FEARLESSLY
FORWARD**

BUILDING TOGETHER

TERRAPIN

DEVELOPMENT COMPANY

COLLEGE PARK, MD



The College Park Marriott Hotel & Conference Center

UNIVERSITY OF MARYLAND
MAIN CAMPUS

CHOICE
Cambria Hotel
College Park

THE HOTEL
AT THE UNIVERSITY OF MARYLAND

the hall
CP

MARC
M
metro

ATWORTH

SOUTHERN GATEWAY REDEVELOPMENT
Retail & Residential



- RIVERDALE PARK STATION**
RETAIL & RESIDENTIAL
- Starbucks
 - Whole Foods
 - Go-Go
 - Habit
 - Wendy's
 - Burtons
 - MOD
 - Denizens
 - Old Line Bank
 - xfinity
 - Bella Lifestyle
 - White Oak
 - Fantome
 - Yogi Castle

0.5 MILE

1 MILE



UNIVERSITY OF MARYLAND
DISCOVERY DISTRICT

- MARC Camden Line
- Green Line
- UMD Shuttle Bus 104
- UMD Shuttle Bus 109
- Purple Line (future)
- Redevelopment
- Hiking/Biking Trails





Quantum
Benchmarking
Initiative

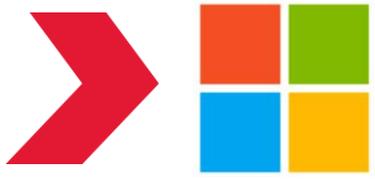


In January 2025, Gov. Moore launched the **Capital of Quantum Initiative**—a public-private partnership with the **University of Maryland, College Park** and **IonQ**—to catalyze more than \$1 billion in investments in Maryland’s quantum industry.

As part of that initiative, **DARPA** and Maryland recently announced the **Capital Quantum Benchmarking Hub** – and agreed to provide matching contributions of up to \$100 million each over a four-year period.

- DARPA’s goal is to verify and validate if any quantum computing approach can achieve utility-scale operation by the year 2033.
- The hub will provide research and testing facilities for quantum computing companies participating in DARPA’s benchmarking program.





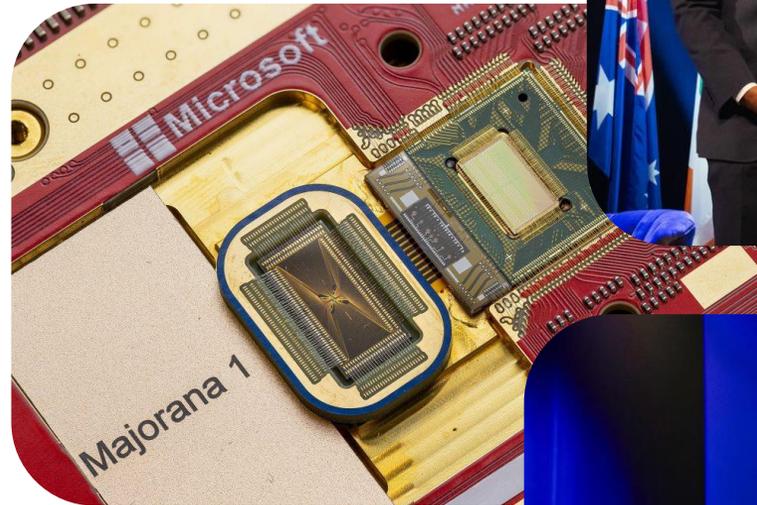
Microsoft

Quantum Research Center



MICROSOFT IN THE DISCOVERY DISTRICT

- **Partnership:** State of Maryland, UMD Enterprise Corporation, and Microsoft — creating a **development hub for next-generation quantum technologies.**
- **Collaboration:** Early access to Microsoft's quantum technology for joint hardware/software development with government, academia, and quantum companies.
 - **Majorana 1:** the world's first quantum chip powered by a topological qubit design will be housed at the center.
 - **Collaborative space:** hands-on research, prototyping, and benchmarking with DARPA's testing and evaluation team.
- **Talent Pipeline:** Attracts skilled quantum experts and creates opportunities for Microsoft engineers to work alongside **UMD students** and **researchers.**



➤ Companies located in the Discovery District



Businesses That Have Expanded While Staying Local

Ion Storage Systems

- A spinoff from the Maryland Energy Innovation Institute at UMD.
- Ion Storage Systems has developed intrinsically safe, high-performance solid-state batteries.
- Located in Beltsville, MD



AST Space Mobile

- Formerly located in the Discovery District with labs and office space.
- AST SpaceMobile collaborates with cellular providers in the U.S. and around the world to improve internet access globally.
- The company has worked with UMD over the last several years to build up a base of talent, and technology development.
- Located Lanham, MD

