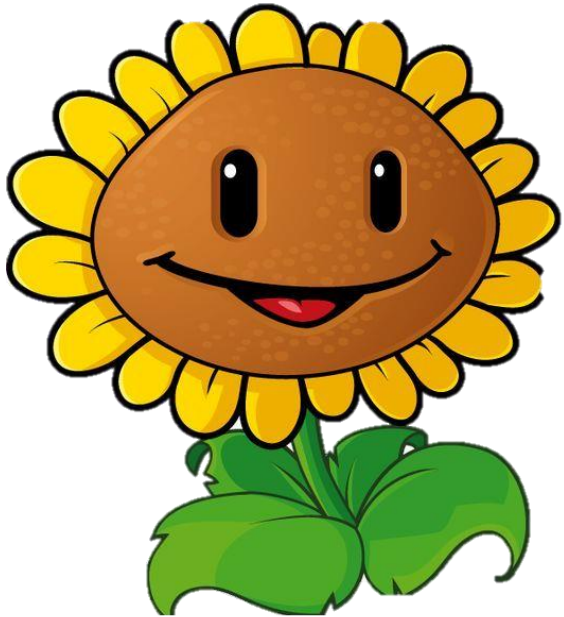


Search Problems and Uninformed Search

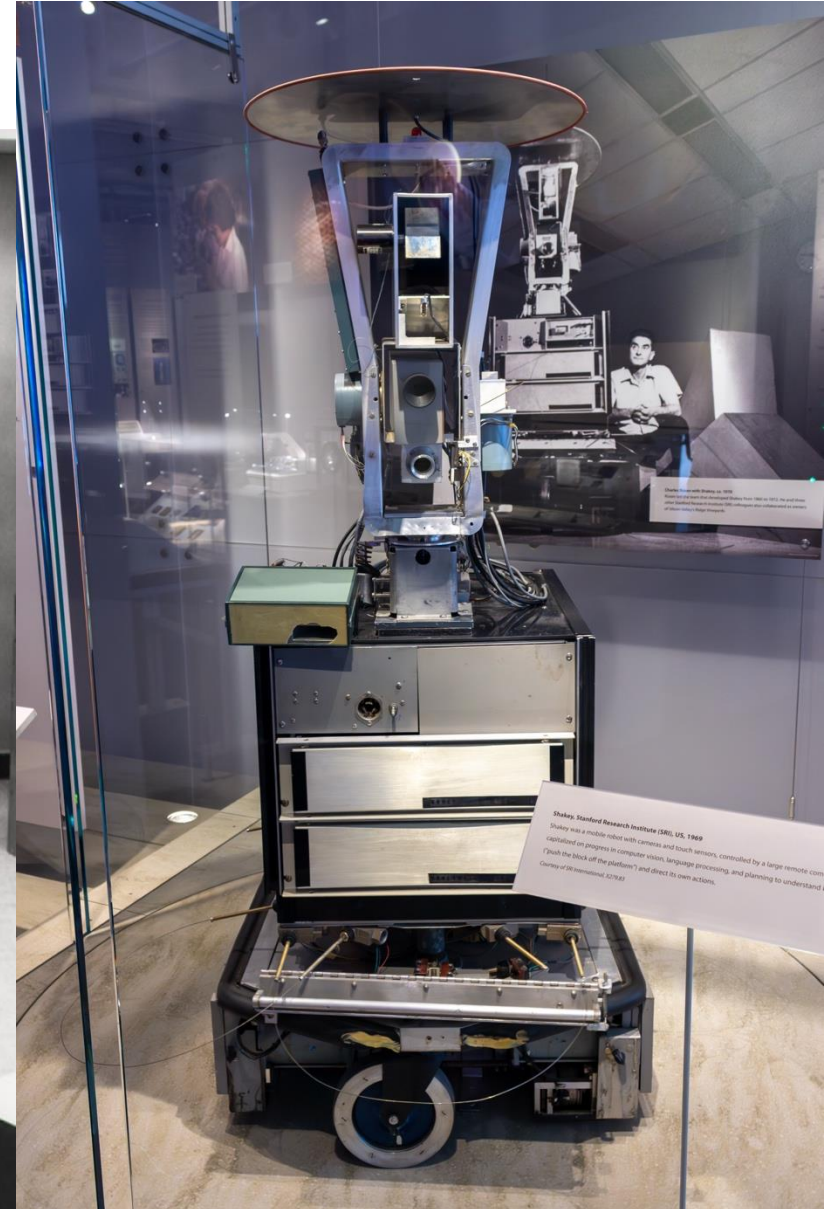
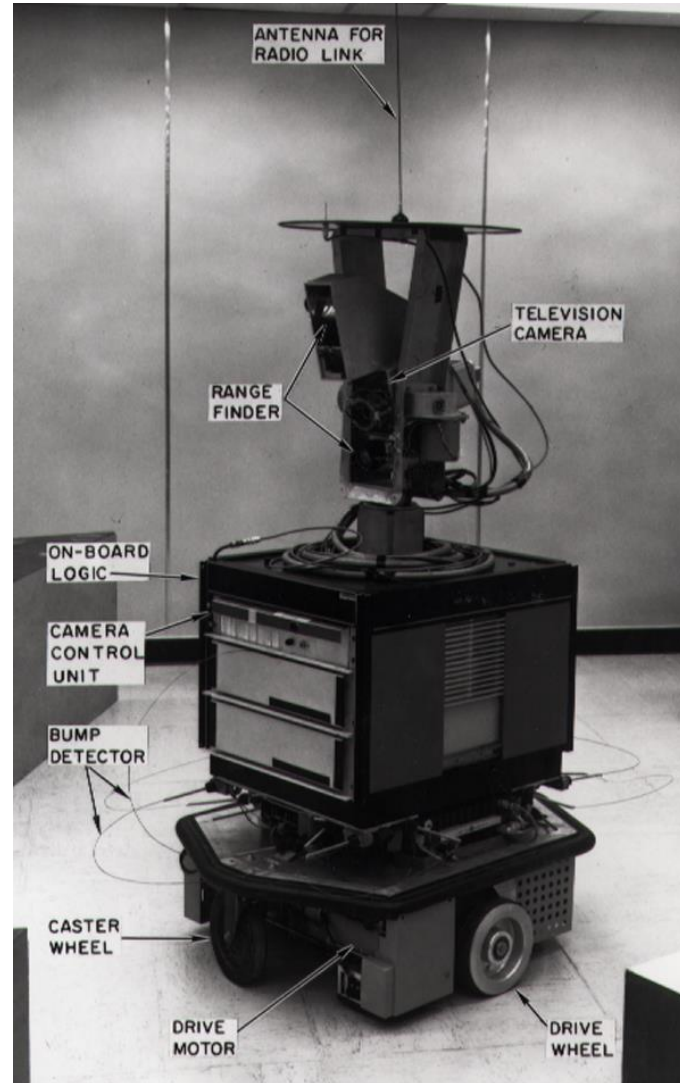
Eric Ewing



Shakey The Robot

Developed in the 1960s at
Stanford Research Institute (SRI)

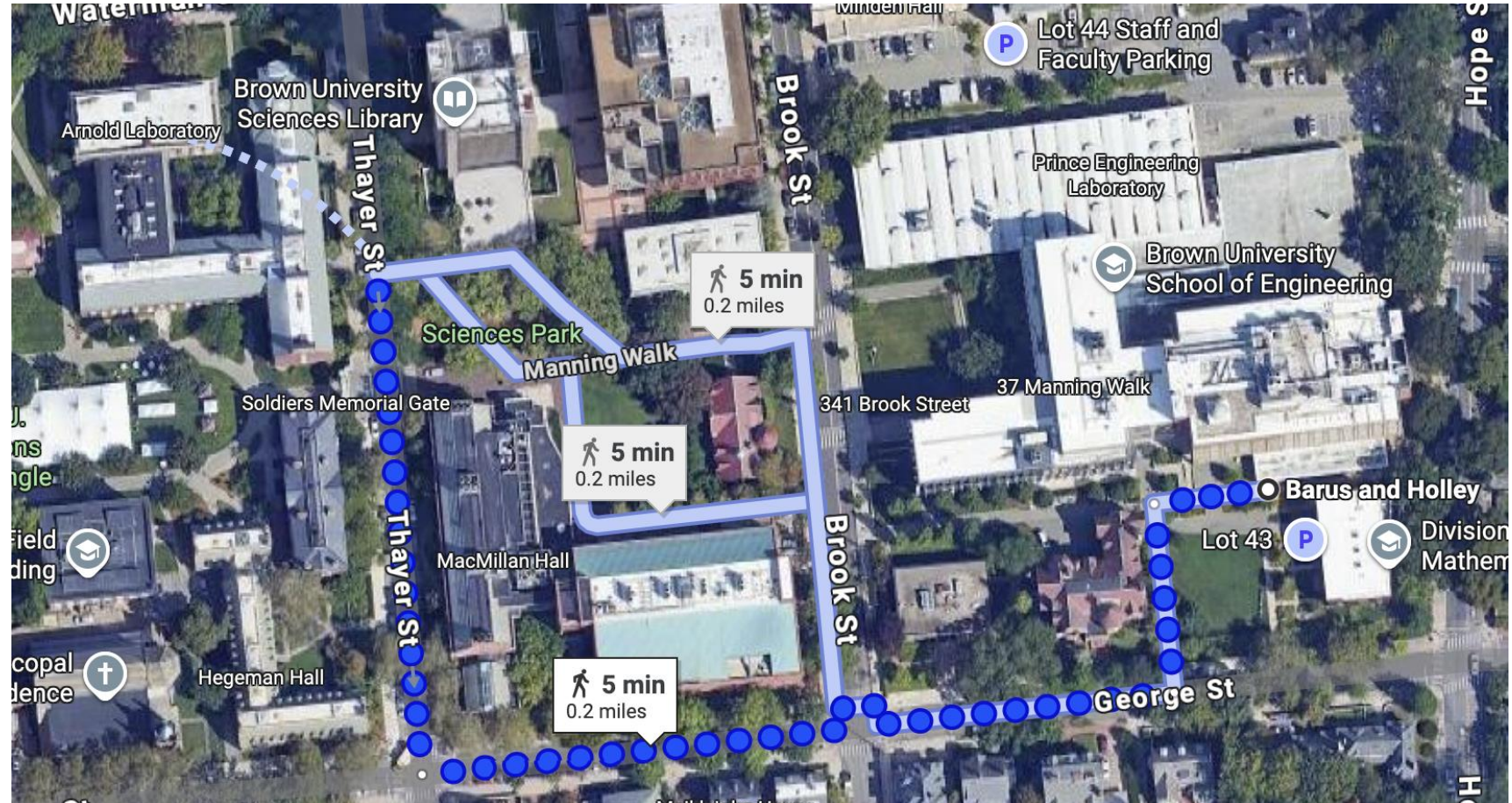
Led to the development of many
new research directions and
algorithms



Problem #1: Navigation

How can we navigate between two locations in a world with obstacles and hazards?

When trying to plan a walking route, we don't plan out individual steps of muscle movements! We work at a higher level of abstraction.




Problem #1: Navigation

How can we navigate between two locations in a world with obstacles and hazards?

Barus and Holley

184 Hope St, Providence, RI 02912

↑ Head west
 Take the stairs

92 ft

↩ Turn left toward George St

151 ft

↪ Turn right onto George St

0.1 mi

↪ Turn right onto Thayer St

413 ft

Arnold Laboratory

190 Thayer St, Providence, RI 02912

Problem #1: Navigation

How can we navigate between two locations in a world with obstacles and hazards?

