



#### **MIT Beaver Works Summer Institute**

Fall 2021 Outreach Program – 7 Courses

Girls Who Program Autonomous Cars

Girls Who Hack and Code

Girls Who Design, Build and Fly Model Aircraft

Girls Who Want to Learn Many Interesting Things

**Girls Who Program Cognitive Assistants** 

Girls Who Program Autonomous Cars - BWSI-Pacific

Kwaj Mini-RACECAR Middle School (Kwajalein Atoll, Marshall Islands)

No Prior Experience Required! WHO: High School 11th Grade Female Students

WHEN: Saturdays 11am-2pm (EST): October 16, 23, 30,

November 6,13, 20, December 4, 11, 2021

**WHERE:** Virtually, through Zoom!

**REGISTER:** https://mit-bwsi.formstack.com/forms/bwsi\_fall2021















# GIRLS WHO PROGRAM AUTONOMOUS CARS





Who: Female High School Juniors interested learning about <u>code</u> and <u>robots!</u> Beginners encouraged!

 $\textbf{When:} \ \text{Saturdays} \ 11 \text{am to 2pm (EST)} - 10/16, \ 10/23, \ 10/30, \ 11/6, \ 11/13, \ 11/20, \ 12/4, \ 12/11, \ 2021$ 

Where: Virtually, through Zoom!

Registration Form: https://mit-bwsi.formstack.com/forms/bwsi\_fall2021











# GIRLS WHO HACK CODE!



No Prior

REQUIRED!

**Who:** Female High School Juniors interested in learning about <u>code</u> and <u>hacking!</u>

Beginners encouraged!

**EXDERIFNCE** When: Saturdays 11am-2pm (EST) - 10/16, 10/23, 10/30, 11/6, 11/13, 11/20, 12/4, 12/11, 2021

Where: Virtually, through Zoom!

**Registration Form:** https://mit-bwsi.formstack.com/forms/bwsi\_fall2021













Girels Who Design, Build and Fly Model Aircraft — A BWSI Crash Course.



### No Prior Experience Required!

**Who:** Female High School Juniors interested in Aerospace and Aeronautics.

When: Saturdays 11am to 2pm (EST) – 10/16, 10/23, 10/30,

11/6, 11/13, 11/20, 12/4, 12/11, 2021

Where: Virtually, through Zoom!

Registration Form: https://mit-bwsi.formstack.com/forms/bwsi fall2021











#### Girls who want to learn

## Many Interesting Things:

From Transistors to Data Science

A BWSI Medlytics intro course by Christian Cardozo

An early introduction to the technologies that shape our world, with applications to medical data analytics!

Computer Architecture • Python Machine Learning • Computer Vision

No prerequisites. No pressure.

No PRIOR EXPERIENCE REQUIRED!

**Who:** Female High School Juniors interested learning about computers, coding and medical data analytics. Beginners Encouraged!

**When:** Saturdays 11am to 2pm (EST) – 10/16, 10/23, 10/30, 11/6, 11/13, 11/20, 12/4, 12/11, 2021

Where: Virtually, through Zoom!

Registration Form: https://mit-bwsi.formstack.com/forms/bwsi fall2021



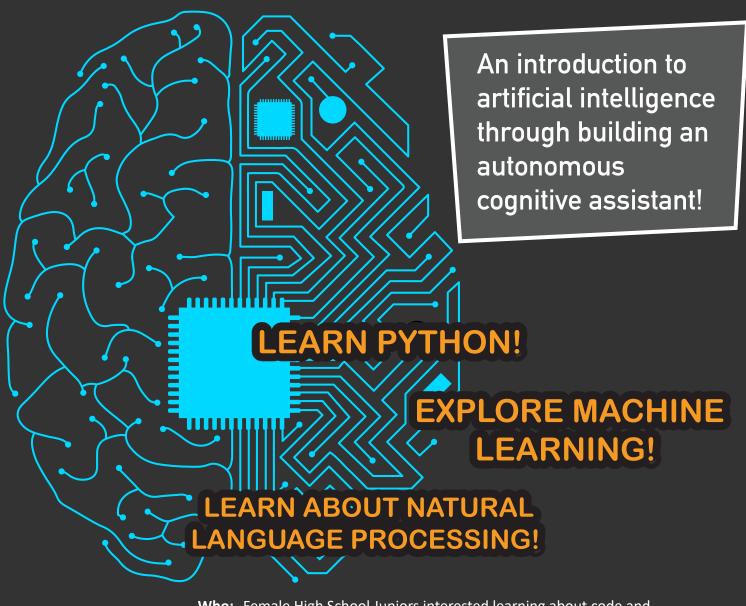








# **Girls** who program cognitive assistants! — a BWSI crash course



No Prior Experience Required! **Who:** Female High School Juniors interested learning about code and artificial intelligence! Beginners Encouraged!

**When:** Saturdays 11am to 2pm (EST) – 10/16, 10/23, 10/30, 11/6, 11/13, 11/20, 12/4, 12/11, 2021

Where: Virtually, through Zoom!

**Registration Form:** https://mit-bwsi.formstack.com/forms/bwsi\_fall2021











# GIRLS WHO PROGRAM AUTONOMOUS CARS





**Who:** Female High School Juniors interested learning about <u>code</u> and <u>robots!</u> Beginners encouraged! **When:** Saturdays 1pm to 4pm (HST) – 10/16, 10/23, 10/30, 11/6, 11/13, 11/20, 12/4, 12/11, 2021

Where: Virtually, through Zoom!

Registration Form: https://mit-bwsi.formstack.com/forms/bwsi\_student\_kwaj\_fall\_application\_2021











# KWAJ MINI-RACECAR MIDDLE SCHOOL





**Who:** Kwaj students in grades 7 – 9. Beginners encouraged!

When: TBD, one afternoon/evening per week beginning late October

Where: Namo Weto Youth Center

Registration Form: Registration form available at Namo Weto Youth Center







