

MIT Beaver Works Summer Institute

Fall 2023 Outreach Program – 6 Courses

Girls Who Program Autonomous Cars





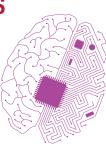
Girls Who Program Cognitive Assistants

Girls Who Want to Learn Many Interesting Things

Girls Who Design, Build and Fly Model Aircraft

Girls who want to learn Back to bASICs

Girls Who Program Racing Drones



No Prior Experience Required!

WHO: High School 10th and 11th Grade Female Students *

WHEN: Saturdays 11am–2pm (EST) – October 14, 21, 28,

November 4, 11, 18, December 2, 9 2023

WHERE: Virtually, through Zoom!

REGISTER: https://mit-bwsi.formstack.com/forms/bwsi_fall2023

* While all BWSI programs are open to eligible students of any gender identity this fall program is designed to encourage and support female students in STEM.

















GIRLS WHO PROGRAM AUTONOMOUS CARS



No Prior Experience Required! Who: Female High School Students (10th and 11th grade) interested

learning about coding and robotics! Beginners encouraged!

When: Saturdays 11am-2pm (EST) - October 14, 21, 28,

November 4, 11, 18, December 2, 9 2023

Where: Virtually, through Zoom!

Registration Form: https://mit-bwsi.formstack.com/forms/bwsi fall2023





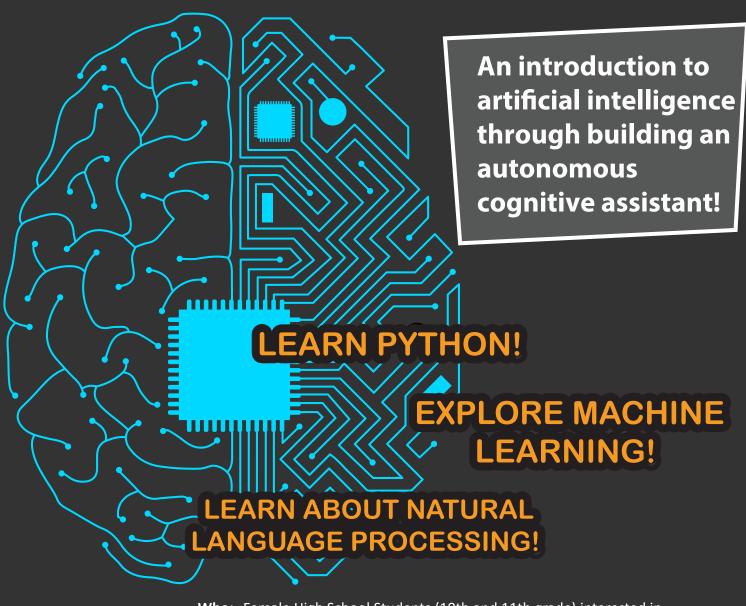








Girls who program cognitive assistants! — a BWSI crash course



No Prior Experience Required! **Who:** Female High School Students (10th and 11th grade) interested in learning about code and artificial intelligence! Beginners Encouraged!

When: Saturdays 11am-2pm (EST) – October 14, 21, 28, November 4, 11, 18, December 2, 9 2023

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Many Interesting Things:

For Aspiring Engineers
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!

Python • Computer Architecture • Machine Learning Computer Vision • Linux • The Internet

No prerequisites. No pressure.

No Prior

EXPERIENCE

REQUIRED!

WHO:

Female High School Students (10th and 11th grade) interested learning about computers, coding and medical data analytics. Beginners Encouraged!

WHEN:

Saturdays 10am-1pm (EST) - October 14, 21, 28,

November 4, 11, 18, December 2, 9 2023

WHERE: Virtu

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REGISTER:

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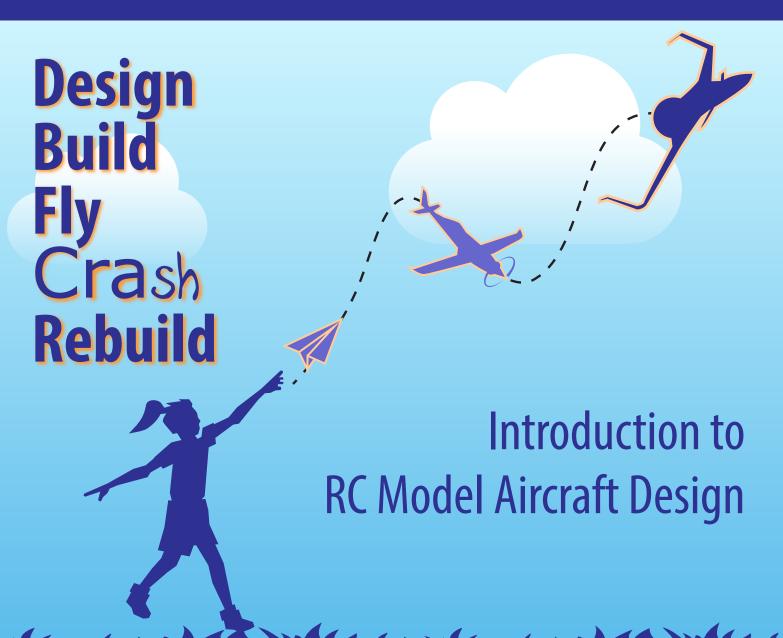








Girls Who Design, Build and Fly Model Aircraft — A BWSI Crash Course.



No Prior Experience Required!

Who: Female High School Students (10th and 11th grade) interested in

Aerospace and Aeronautics.

When: Saturdays 11am-2pm (EST) – October 14, 21, 28,

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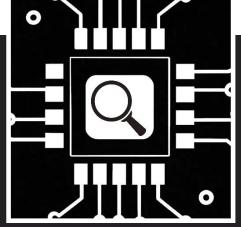


School of Engineering

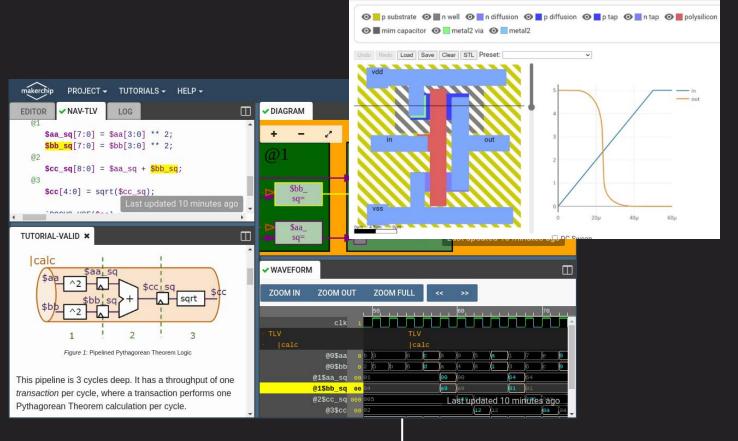


Girls who want to learn Back to bASICs

SILIWIZ



Beaver Works Summer Institute will offer a brand-new course on open source semiconductor design and fabrication. Students will receive hands-on experience on how to design and arrange semiconductors on a nanometer scale to perform a specific function.



No Prior

Who: Female High School Students (10th and 11th grade) interested in learning about

EXPERIENCE

When: Saturdays 11am-2pm (EST) - October 14, 21, 28,

November 4, 11, 18, December 2, 9 2023

REQUIRED!

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semiconductor design and fabrication! Beginners encouraged!



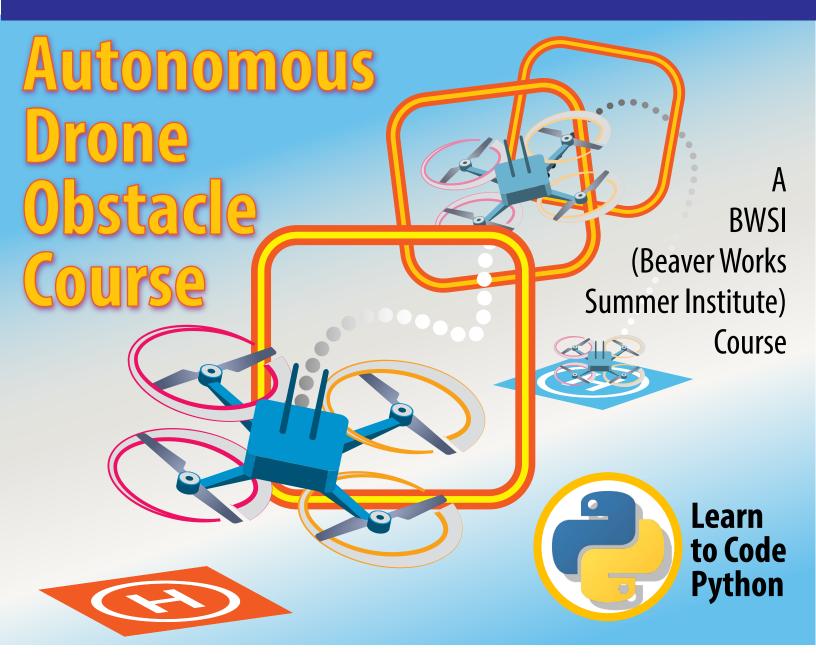








Girls Who Program Racing Drones Beaver Warrior



No Prior Experience Required!

Who: Female High School Students (10th and 11th grade)

interested in Aerospace and Aeronautics.

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Where: Virtually, through Zoom!

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