



THE ROBOTS ARE COMING

BETH RITTER-GUTH

NORTHAMPTON COMMUNITY COLLEGE

BETHLEHEM, PA

Artificial Intelligence – “computer systems able to perform tasks that normally require human intelligence” (Google’s Dictionary)

Augmented Reality – “computer systems able to perform tasks that normally require human intelligence” (Mother Google)

Virtual Reality – “the computer-generated simulation of a three-dimensional image or environment that can be interacted with in a seemingly real or physical way” (Grandma Google)

Mixed Reality – A mashup of AR/VR (The Jedi Mistress)

Internet of Things (IoT) – any device that shares or receives data wirelessly (TJM)

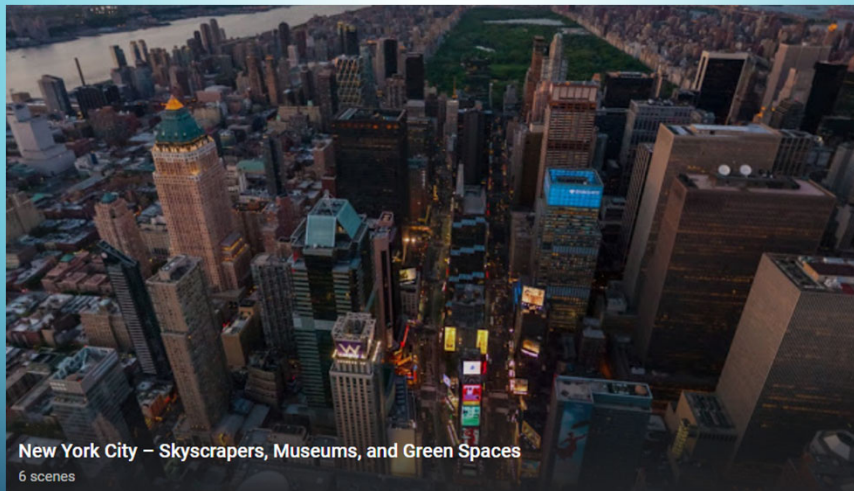
PROJECT 1: CLOTH TO COUNTER

- Smart Clothing Semester Long Multi-Disciplinary Project
- Goal: Demonstrate how an idea goes from start to finish while teaching a hot new technology (IoT connected clothing)
- Courses, Clubs, and Outside Participants:
 - Economics, Sport Management, Psychology, Finance, Marketing, Business
 - Fashion Club (not a course, but stylish students!)
 - Shark Tank (business leaders)
- Tools Required:
 - Arduino, Raspberry Pi, and/or Alexa enabled devices
 - Sensors, batteries, conductive thread



PROJECT 2: STUDENT VOICES VIRTUAL REALITY TOURS

- Virtual Reality Home Country Tours
- Goal: To provide writing and speaking practice to ESL and UCC 101 students while learning Virtual Reality & Augmented Reality concepts
- ESL & UCC 101 Students
- Software: Google Tour Creator



New York City – Skyscrapers, Museums, and Green Spaces

6 scenes

PROJECT 3: THEY'RE WATCHING YOU

- Surveillance Technologies
- Goal: To educate students on the rights & responsibilities of privacy and to identify and understand the technologies that shape our current understanding.
- Courses:
 - Philosophy, Psychology, Ethics, History, and Law
- Resources:
 - Internet of Things Devices (Alexa, Nest, Ring)
 - Drone

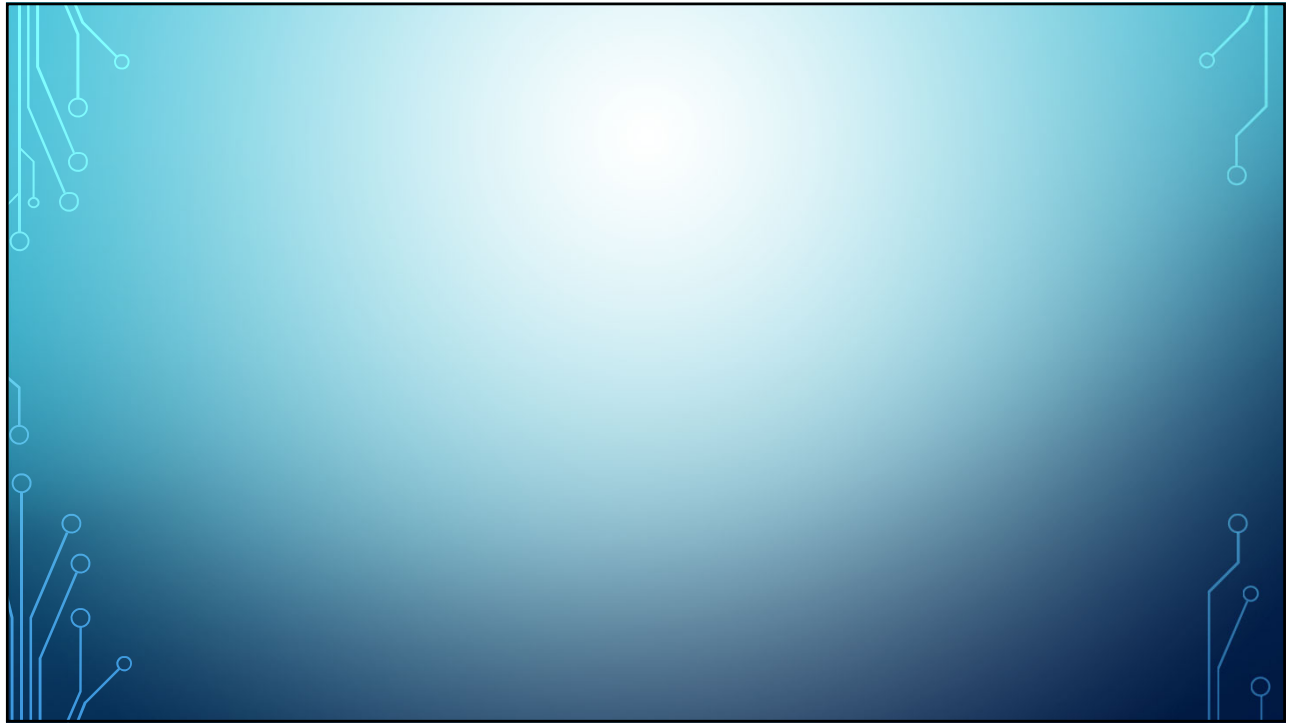


OTHER PROJECTS

- Underground Railroad
- Prohibition
- Crime Scene in the Forest
- Escape Rooms (Physical & Online)
- Chat Bots
- Second Life

LET'S DO IT!!!!

- Chatbots
 - Artificial Intelligence
 - FREE Builder: <http://snatchbot.me>
- Steps:
 - Pick a Partner
 - Plan a "Bot"



The screenshot displays the SnatchBot dashboard for a bot named "ITC Rocks Bot". The interface is divided into several sections:

- Left Sidebar:** Contains navigation options such as Build, Channels, Configure, Dashboard, My Bots, Broadcast, Conversation, Reports, NLP, Upgrade to PRO, Balance, Notifications, SnatchBot Store, Support Center, and the user profile Beth Ritter-Guth.
- Top Header:** Shows the bot name "ITC Rocks Bot", a timestamp "2019-02-12 04:27:23", and buttons for "Persistent Menu", "View Scheme", "Global connections & NLP", and "Test this bot".
- Interactions List:** A table listing bot interactions with columns for interaction ID, status, and actions. The list includes:
 - #661921: Hi!
 - #661924: History
 - #661922: Petition
 - #661925: Join the team (checked)
 - #661926: Thank you!
 - #661923: Media & links
 - #661927: Phenomenon
- Right Panel (Edit Interaction):** Shows the details for the selected interaction "Hi!". It includes:
 - Bot's message:** A text input field with the message: "Hello! Welcome to ITC! Isn't this conference awesome?661924". Below it, a note says "Use the persistent menu to navigate. The bot's reply upon reaching this interaction."
 - Text To Speech:** A toggle switch and a link to "Check out our Documentation for more information."
 - Connections & NLP:** A section with a plus button and a link to "Check out our Documentation for more information."



WRAP UP

QUESTIONS?

BRITTER-GUTH@NORTHAMPTON.EDU