

Austin Cepalia

Employment history

Student Intern, Lead Programmer & Videographer, Springwall Learning Institute. New Haven, Connecticut

Jul. 2016 – Jul. 2018

- Work with a team of students to design and build an Arduino-based robotics kit that costs less than \$50 to assemble.
- Design the electrical system and program the robotics kit to allow for students to control the robot with their smartphones.
- Improve on the kit design on a year-by-year basis, based on student feedback.
- Provide on-site support for the robotics kit at a local engineering high school and community center.
- Write, shoot, host, and edit high-quality instructional videos showing how to assemble the robotics kit and program it.

Computer Science Instructor, Leadership, Education, & Athletics in Partnership (LEAP). New Haven, Connecticut

Oct. 2016 – May. 2018

- Introduce computer science to over 800 inner-city youth.
- Conduct workshops and demonstrations to teach basic principles of computer science and computer literacy.
- Adapt teaching methods and instructional materials to meet students' varying needs, abilities, and interests.
- Prepare materials and workspace for class activities.
- Maintain a lab of 23 networked computers, including repair when needed.
- Lesson topics include basic programming with Python, game development with Unity and C#, web development with HTML/CSS, robotics with Arduino, computer science principles, and literacy skill development with online blogging.

Education

Rochester Institute of Technology, Rochester, New York

Bachelor of Science, Computer Science, Present

Engineering and Science University Magnet School, West Haven, Connecticut

High School Diploma, Jun. 2018

Awards

- 2018 Congressional App Challenge Winner
 - Worked on a team to create a mobile RFID-based classroom management system for tracking student attendance and breaks within the classroom. Awarded the 2018 Connecticut Congressional App Challenge award.
- Second-degree Black Belt in World Champion Taekwondo - trained for 8 years

Personal info

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Skills

C# / .NET Framework / .NET Core



Java



HTML/CSS



Python



JavaScript



Adobe Premiere Pro



Adobe Photoshop



Apple Final Cut Pro X

