Brian Zhang

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PROFILE

Electrical engineering student with a background in computer science and math.

EDUCATION

Stony Brook University, Stony Brook, NY — Electrical Engineering, 2013-Current

Stuyvesant High School, New York City, NY — 2009-2013

SKILLS

Background primarily in STEM (Science, technology, engineering, and math). I have a skill set in a variety of programming languages including: Java, Scheme, Netlogo, Python, Javascript, C, and Assembly, as well as experience in video editing, high level math, electrical engineering, and physics.

PROJECTS + EXPERIENCE

WEB EXPLORER — JULY 2013

Turns any webpage into a 2D platforming game. Presented at Google HQ in NYC in June 2013. Group presented at NYTM in July 2013 (was not present).

Project located at: https://github.com/stuycs-softdev-2012-2013/NSYZ

THE STORY OF AN ARTIST: CHRIS SORIA — MARCH 2013-MAY 2013

Chris Soria, a New York City based muralist, spreads his message about social inequality and urban poverty through his artwork. Created a promotional video for Soria. Project located at: http://vimeo.com/68313206

FACIAL RECOGNITION SENTRY GUN —FEBRUARY 2014

Modded a standard automatic nerfgun as a project for HackCooper, a Hackathon at Cooper Union. Uses OpenCV for detecting faces, and a worm-geared stepper motor to rotate the gun. Once the target is aligned, an arduino-controller servo pulls the trigger to shoot.

STONY BROOK COMPUTING SOCIETY— OCTOBER 2011 - DECEMBER 2011

Interest group for people interested in computer science and engineering. We attend hackathons, and work on our own independent projects.

MATH CLUB — AUGUST 2013 - CURRENT

Club for people interested in competition math problems, such as the ones from Virginia Tech Math Competition or the Putnam.

MATH TEAM— SEPTEMBER 2009-JUNE 2013

Participated in various high school math competitions

FIRST ROBOTICS — OCTOBER 2009 - JUNE 2013

Stuypulse FIRST Robotics (FRC/FTC). Learned various things about programming and engineering. Qualified for national competition via FRC team 4 years in a row.

MIT ZERO ROBOTICS — OCTOBER 2011 - DECEMBER 2011

Programming competition for high school students. Created software that interacted with spheres on the ISS.