WILL (MCFADDEN) STEDDEN

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ELECTRONICS TEACHING EXPERIENCE

Artifice Tech Education, NFP Aug 2015- Present
Board Secretary and CTO *Chicago, IL*

- Founded after-school electronics and robotics program for youth on Chicago's south side
- Launched initiative to expand to 3 new schools; aided recruiting efforts to quadruple volunteer staff
- Designed and built robot dog mascot to aid in volunteer recruiting and student program promotion

Artifice Tech Education, NFP Dec 2013 - Jan 2017
Lead Instructor and Curriculum Developer *Chicago, IL*

- Led and wrote content for 6 month pilot initiative in Chicago public school
- Develop Arduino based curricula on home security systems and soccer robots
- Trained college interns to teach Wifi-enabled IoT home weather project for advanced students

OTHER TEACHING AND MENTORSHIP EXPERIENCE

Homework Central Apr 2017 - Present
Volunteer Tutor *San Mateo, CA*

- Tutored 8-11 year olds in San Mateo schools in reading and math

Insight Data Science Jan 2017 - Present
Mentor *San Francisco, CA*

- Mentored fellows in data science problem solving to prepare for project presentations and job interviews

University of Chicago March 2012 - Sept 2016
Teaching Assistant *Chicago, IL*

- Designed and taught original workshops in computational modeling and microscopy
- Assisted with teaching four undergraduate courses in biology, geophysics, and chemistry

SKILLS

Languages & Platforms Arduino, Python, R, Bluetooth, Basic Circuitry, App Engine, GitHub, AWS
CAD & Documentation Tinkercad, AutoCAD, Blender, Inkscape, WordPress, Blogger, LaTeX

AWARDS AND GRANTS

Turning Waste Plastics into 3D Printing Filament, *University of Chicago Art+Science Grant* 2015
Using Motion Capture Technology in Dance, *University of Chicago Art+Science Grant* 2011

EDUCATION

University of Chicago *May 2017*
Ph.D. in Biophysical Science GPA: 3.66/4

University of Illinois at Urbana-Champaign *Dec 2009*
B.S. in Engineering Physics with minors in Mathematics and Computer Science GPA: 3.67/4