

Mark Farid

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

May 2019

- Candidate for B.S. in Mechanical Engineering (Minor in Computer Science)

Gunn High School, Palo Alto, CA

August 2013 - May 2015

- High School Diploma
- GPA: 3.83/4.00

SKILLS

Equipment: Soldering, Mill, Lathe, Laser Cutter, FDM 3D printing (PLA and ABS)
Lab: IR sensor, Accelerometer, Digital Multimeter, Data Logging, Arduino,
Programming: Java, Python, Solidworks, Inventor, Photoshop, IMovie
Communication: Presentations, Formal Reports; Fluency in English and Arabic
Athletics: Competitive Ultimate Frisbee, Recreational Soccer

PROJECTS

Summer Project

2015

I built a remote-controlled drone from a frame and separately purchased electronics

- Researched suitable electronic components for ideal specifications
- Soldered all electronic connections and configured transmitter/receiver
- Fine tuned PID constants for onboard flight controller

EXPERIENCE

Georgia Institute of Technology, Atlanta, GA

October 2015 - Present

Part Time Research Assistant

- Designing CAD models of industrial areas, for use in analytical/optimization simulations
- In close correspondence with a supervisor to ensure all specifications are met

Mathnasium, Menlo Park, CA

October 2014 - December 2014

Math Tutor

- Worked individually with children aged 5-14, teaching Math concepts
- Helped to develop problem solving skills through effective teaching methods
- Graded homework and tests; giving feedback and assigning corresponding practice problems

Nefsak, Cairo, Egypt

June 2014 - July 2014

Web Intern

- Collaborated with co-workers, in Arabic, on front-end web development projects
- Updated product listings and inventory spreadsheets daily

LEADERSHIP

Gunn Robotics Team, Mechanical Lead

September 2014 - May 2015

- Designed and fabricated robot components using cad software and mill/lathe respectively
- Led the team through various design iterations and held regular design reviews