

Henry Gridley

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Education

Northeastern University, Boston, MA	2015-2020
Candidate for Bachelor of Science in Electrical & Computer Engineering	3.97 GPA
Coursework: Embedded Design, Digital Design & Computer Organization, Circuits & Signals, Fundamentals of Algorithms, Differential Equations	
Extracurricular: IEEE, Wireless Club Outreach Coordinator, Swim Club	
Wichita High School East, Wichita, KS	2011-2015
International Baccalaureate Diploma Recipient	3.98 GPA
Coursework: IB Higher Level Certificates in Mathematics, Physics, English	
Extracurricular: National Honors Society, Tennis Captain, Varsity Swim Team	

Technical Competencies

Software: AutoCAD, Solidworks, Fusion360, Creo, C, C++, Matlab, Simulink, Microsoft Office Suite (Word, Excel, Powerpoint, Publisher), EagleCAD, Python, Linux, Verilog HDL
Engineering: Oscilloscope, function generator, circuit design & analysis, 3D printing, laser cutter, soldering, Arduino, Teensy, CNC machining, PCB milling, manufacturing equipment (table saw, drill press, band saw, mill, lathe)

Engineering Projects

Rostock 3D Printer	August 2016
<ul style="list-style-type: none">Assembled prefabricated Rostock Max V2 kit to be used with Inkscape and Slic3rDeveloped skills with 3D printing software, basic tools, and manufacturing processes	
Spectrum Analyzer	May – August 2016
<ul style="list-style-type: none">Designed and manufactured parts using Fusion360 and a laser cutterSoftware designed and programmed using Teensy3.1	
Programmable Robotic Arm	March – April 2016
<ul style="list-style-type: none">Programmed in Embedded Design class using both C++ and SimulinkControlled by a Wiimote to pick up and move objects	

Work Experience

iRobot, Bedford, MA	January 2017 – present
Systems Test Engineering Intern	
<ul style="list-style-type: none">Developing and debugging electro-mechanical systems that contain complex software behaviorCreating test benches for testing robotic systemsQuantifying and summarizing test results	
Wichita Swim Club, Wichita, KS	May 2016 – August 2016
Swim Instructor	
<ul style="list-style-type: none">Conducted daily lessons for up to 4 children ages 2-15Prepared lesson plan and pool each dayOversaw safety for all lessons	

Interests

Music, electronics & DIY projects, skiing, swimming, film