Henry Gridley

www.henrygridley.me

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, Django
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
- Assembled prefabricated Rostock Max V2 kit to be used with Inkscape and Slic3r
- Developed skills with 3D printing software, basic tools, and manufacturing processes

Spectrum Analyzer   May – August 2016
- Designed and manufactured parts using Fusion360 and a laser cutter
- Software designed and programmed using Teensy3.1

Programmable Robotic Arm   March – April 2016
- Programmed in Embedded Design class using both C++ and Simulink
- Controlled by a Wiimote to pick up and move objects

Work Experience

iRobot, Bedford, MA   January 2017 – present
Systems Test Engineering Intern
- Developing and debugging electro-mechanical systems that contain complex software behavior
- Creating test benches for testing robotic systems
- Quantifying and summarizing test results

Wichita Swim Club, Wichita, KS   May 2016 – August 2016
Swim Instructor
- Conducted daily lessons for up to 4 children ages 2-15
- Prepared lesson plan and pool each day
- Oversaw safety for all lessons

Interests

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