GEORGE LAWSON MATHEW

https://lawsonmathew.github.io

EDUCATION

Tufts University, Medford, MA August 2017 – May 2021
Bachelor of Science in Mechanical Engineering, Minor in Computer Science, GPA: 3.54
Relevant Coursework: Robotics, Thermodynamics, Machine Design, Differential Equations, Statics and Dynamics, Data Structures, Algorithms

University College London, London, UK September 2019 – June 2020
Study Abroad: Mechanical Engineering
Relevant Coursework: Fluid Mechanics, Dynamics and Control, Materials

SKILLS

***Software**:* Microsoft Office; Adobe: Photoshop, Illustrator; Autodesk 3ds Max, SolidWorks, Epic
Programming Languages: Python, C++, MATLAB, R, HTML, CSS, JavaScript, MUMPS

WORK EXPERIENCE

Epic Systems Corporation, WI, *Technical Solutions Engineer* September 2021 – present

- Debugging system processes and troubleshooting workflows to resolve 5-10 issues daily within the Epic Resolute application utilizing resources and deep knowledge of healthcare billing
- Guiding and supporting numerous health organizations to best use Epic and its features through effective communication
- Collaborating with other teams on integrated issues along with mentoring and advising new colleagues in my current team

Rytec Corporation, IL, *Mechanical Engineering Intern* June – August 2019

- Assessed hundreds of engineering drawings to compile a bill of materials and to minimize dimensions of five high performance doors
- Completed data entry using Microsoft Excel to create databases about materials and dimensions of the products for organization purposes

Tufts Student Teacher Outreach Mentorship Program, *Mentor* September 2017 – May 2019

- Created, led, and implemented engineering curricula in local elementary school classroom
- Expanded the students' knowledge of and exposure to engineering by using Lego kits, novel engineering, and presenting problems to solve

PROJECTS

High Altitude Sonic Anemometer Payload, Tufts University September 2020 – December 2020

- Managed a 5-person team to build a balloon payload costing less than $500 to show the feasibility of the Tufts sonic anemometer at high altitudes
- Programmed complementary sensors as well as the sonic anemometer to log output data
- Assembled 3D printed parts and electronics in an insulting enclosure as final prototype

Ball Line Launcher, University College London October 2019 – February 2020

- Led a 5-person team to create a working prototype of an automated ball launcher according to IMechE competition rules
- Designed a CAD model of the ball launcher; laser cut and 3D printed parts for prototype

ACTIVITIES

Schuler Scholar Program, IL, *Alumni Scholar* May 2013 – present

- Attended programming and robotics during Carleton Summer Computer Science Institute
- Received a four-year, $10,000 scholarship as part of a college access and leadership program for highly motivated, first-generation college students