

Rowan Thomas Lumb

US & UK DUAL CITIZEN
DATA AND AUTOMATION ENGINEER | M.SC. MECHANICAL ENGINEERING

"I've failed over and over and over again in my life. And that is why I succeed."
- Michael Jordan

WORK EXPERIENCE

Data and Automation Engineer

RTL Software LLC (Self-Employed)

August 2019 - Present

Extremely varied project-based work ranging from workflow automation and mobile app data processing to full-stack SaaS implementations.

Full-Stack Web Developer - Contractor

WorkOnReferrals - San Francisco (Full-time, Remote)

August 2022 - October 2025

Full-stack web development for a production web application, including frontend and backend features, APIs, databases, debugging, maintenance, and deployment.

Software Developer

ViewGlass

May 2018 - August 2018

Developed full-stack web applications for manufacturing-line operations in a .NET environment using RESTful APIs and Angular 2/Bootstrap.

Research Assistant

Los Alamos National Laboratory

June 2016 - August 2016

Assisted in magnetic mapping of UCNTau to analyze possible systematic effects in measurement of the free-neutron half-life.

Research Assistant

Los Alamos National Laboratory

June 2015 - August 2015

Developed precise 3-D object tracking software using C++ and OpenCV for an experimental apparatus.

Research Assistant

Oak Ridge National Laboratory

June 2014 - August 2014

Assisted in construction of a Fast Ionization Chamber for Gammasphere and ORRUBA nuclear detectors; developed predictive R-process simulations using ROOT.

EDUCATION

M.Sc. in Mechanical Engineering

University of Memphis

June 2017 - May 2019

Research/thesis work in acoustic emission non-destructive testing of fatigued 4340 steel and 7075 aluminum. Data analysis utilized R and supervised neural networks. Research published in Springer's Data Enabled Discovery journal.

Graduate Teaching Assistant

University of Memphis

June 2017 - May 2018

Led engineering labs while working toward a Master's Degree in Mechanical Engineering. Taught differential equations in mechanical, thermal, and electronic applications.

B.Sc. in Physics

Tennessee Technological University

August 2012 - May 2017



CONTACT

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Portfolio:
<https://rtlcoding.com>

Verified Reviews:
<https://upwork.com/freelancers/rowanlumb>

Schedule a Call:
<https://cal.id/rowan-thomas-edward-lumb/upwork-east>

LINE



SKILLS

Programming
R, Python, Angular/Typescript, SQL, C++,
Google Cloud Platform

Design
Computational Modeling (FEA), AutoDesk
Fusion, OpenCV (computer vision)

Mathematics
Calculus, Differential Equations, Linear
Algebra, Statistics/Probability