

RICHARD RAITHEL

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EXPERIENCE

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| 1/21 - present | Senior Test Design & Analytics Engineer, Nye Lubricants, Fairhaven, MA <ul style="list-style-type: none">• Developed a research and development database & pipelines• Wrote custom data parsing scripts via python• Created visualizations & dashboards with D3 and MS PowerBI• Implemented InfluxDB database for IoT time series data• Utilized Telegraf & Grafana to parse & visualize IoT data |
| 5/18 – 1/21 | Application & Test Design Engineer, Nye Lubricants, Fairhaven, MA <ul style="list-style-type: none">• Designed, developed & deployed various applications lab test machines• Designed fixturing & software to test customer supplied parts• Utilized SolidWorks, LabVIEW & Python software platforms• Initiated & implemented in-house 3D printing capabilities• Introduced inexpensive embedded system prototyping platforms |
| 5/17 – 5/18 | Mechanical Engineering Intern, Nye Lubricants, Fairhaven, MA <ul style="list-style-type: none">• Performed multiple ASTM tests for various proprietary lubricants• Designed & constructed light switch contact testing machine• Designed & constructed modular multi-specimen fretting machine |

EDUCATION

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| 1/19 – 12/20 | Master of Science, University of Massachusetts Dartmouth, Dartmouth, MA <ul style="list-style-type: none">• Areas of interest: database design, high performance computing, python |
| 9/15 – 5/18 | Bachelor of Science, University of Massachusetts Dartmouth, Dartmouth, MA <ul style="list-style-type: none">• First place senior design project |
| 9/12 – 5/15 | Associate of Science, Bristol Community College, Fall River, MA <ul style="list-style-type: none">• Graduated with honors |