

Nathan Rich  
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## Experience

**Software Engineer, Yale Cordage, Saco, ME**

Jan 2020 – Present

- Designed, deployed, and maintained web applications using React, Node.js (Express.js), MySQL and SQL Server.
- Created custom rope testing software using Python (Tkinter, Matplotlib, and SQL Server).
- Created custom reporting tools and automated data refreshing using MS Graph API with data gathered from an ERP system.
- Created RESTful APIs for PLC's and other devices for creating / updating recipes and uploading live and historical data.
- Setup data visualization tools using Grafana and InfluxDB.

**SQL Database Intern, Yale Cordage, Saco, ME**

Jul. 2019 – Jan 2020

- Designed, wired, programed, and deployed Raspberry Pi's and Arduinos on braiding, twisting and winding machines to collect various data.
- Setup MySQL and InfluxDB databases for many different data sources.

**IT/Software Developer Intern, BaselineES, Yarmouth, ME**

May 2016 – Oct 2018

- Designed and developed automation software in multiple programming languages.
- Created and deployed web apps using React, Nodejs, and PostgreSQL databases.
- Demonstrated software and deliverables to clients and stakeholders.
- Maintained and updated software.

## Education

**University of Southern Maine, Portland, ME**

May 2020

- **Major:** Computer Science (BS)
- **Relevant Coursework:** Design of Computing Algorithms, Software Project Management, Operating Systems, Machine Learning, Database Systems, Systems Programming, Object-Oriented Design, Data Structures, Project Management, Technical Writing, Public Speaking, Calculus A, Discreate Math 1 & 2.

## Skills

Bootstrap	CSS	Electron	Express	GitHub
HTML	Linux	Java	JavaScript	JSON
Node.js	MS Office	MySQL	Postman	Python
React	RESTful API	SQL Server	Visual Studio Code	Windows